

GenCore version 5.1.3  
Copyright (c) 1993 - 2002 CompuGen Ltd.

OM nucleic - protein search, using frame\_plus\_n2p model

Run on: November 24, 2002, 02:16:14 ; Search time 16.5 Seconds  
(without alignments)  
182.243 Million cell updates/sec

Title: US-09-485-951-3

Perfect score: 178

Sequence: 1 aaccocgcacagtcctgt.....ccagggggcgagacaaaaa 96

Scoring table: BLOSUM62

Xgapop 10.0 , Xgapext 0.5

Ygapop 10.0 , Ygapext 0.5

Fgapop 6.0 , Fgapext 7.0

Delopt 6.0 , Delext 7.0

Searched: 100480 seqs, 15661496 residues

Total number of hits satisfying chosen parameters: 200960

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Command line parameters:

-MODEL=frame+ n2p.model -DEV=xlp  
-Q=/cgn2.1/USPTO.spool/US09485951/runat\_20112002.094836.22124/app\_query.fasta\_1.263  
-DB=Published Applications\_AA -QFWT=fastan -SUFFIX=n2p.rappb -MINMATCH=0.1  
-LOOPCL=0 -LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosum62  
-TRANS=human40.cdi -LIST=45 -DOCALIGN=200 -THR\_SCORE=pct -THR\_MAX=100  
-THR\_MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZ=500 -MINLEN=0  
-MAXLEN=200000000 -USER=US09485951@cgn.1.1.3 @runat\_20112002.094836.22124  
-NCPU=6 -ICPU=3 -NO\_XLPXY -NO\_MMAP -LARGEQUERY -NEG\_SCORES=0 -WAIT -LONGLOG  
-DEV\_TIMEOUT=120 -WARN\_TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6  
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Published Applications\_AA :

- 1: /cgn2.6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*
- 2: /cgn2.6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2.6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*
- 4: /cgn2.6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*
- 5: /cgn2.6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*
- 6: /cgn2.6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*
- 7: /cgn2.6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*
- 8: /cgn2.6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*
- 9: /cgn2.6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep.\*
- 10: /cgn2.6/ptodata/1/pubpaa/US09\_PUBCOMB.pep.\*
- 11: /cgn2.6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*
- 12: /cgn2.6/ptodata/1/pubpaa/US10\_PUBCOMB.pep.\*
- 13: /cgn2.6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*
- 14: /cgn2.6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	ID	Description
1	178	100.0	378 10 US-09-738-973-439	Sequence 439, App
2	59.5	33.4	64 10 US-09-864-761-44469	Sequence 44469, A
3	58	32.6	129 10 US-09-764-877-1531	Sequence 1531, Ap
4	58	32.6	234 9 US-09-764-868-753	Sequence 753, App

5	57	32.0	1374	9 US-09-900-425A-2	Sequence 2, Appli
6	56.5	31.7	173	10 US-09-925-302-855	Sequence 855, App
7	56	30.4	47	10 US-09-864-761-46301	Sequence 46301, A
8	56	31.5	329	10 US-09-925-300-1406	Sequence 1406, Ap
9	56	31.5	470	9 US-10-006-950-2	Sequence 2, Appli
10	56	31.5	470	10 US-09-805-467A-2	Sequence 2, Appli
11	56	31.5	1337	10 US-09-803-126-1	Sequence 1, Appli
12	54.5	30.6	80	10 US-09-864-761-41757	Sequence 41757, A
13	54.5	30.6	83	10 US-09-864-761-37782	Sequence 37782, A
14	54	30.3	146	10 US-09-800-729-94	Sequence 94, Appl
15	54	30.3	210	10 US-09-800-729-181	Sequence 181, App
16	54	30.3	2005	10 US-09-735-367B-3	Sequence 3, Appli
17	54	30.3	2063	10 US-09-735-367B-2	Sequence 2, Appli
18	53	29.8	61	10 US-09-864-761-37440	Sequence 37440, A
19	53	28.8	560	9 US-09-712-363-159	Sequence 159, App
20	52	28.3	194	9 US-09-764-868-1098	Sequence 1098, Ap
21	52	29.2	353	9 US-10-047-542-16	Sequence 16, Appl
22	52	29.2	494	10 US-09-800-729-216	Sequence 216, App
23	52	29.2	530	10 US-09-800-729-112	Sequence 112, App
24	52	28.3	1002	9 US-09-988-117-3	Sequence 3, Appli
25	52	28.3	1002	10 US-09-812-471-3	Sequence 3, Appli
26	52	28.3	1002	10 US-09-812-633-3	Sequence 3, Appli
27	51	28.7	115	10 US-09-893-737-128	Sequence 128, App
28	51	28.7	390	9 US-09-905-291A-39	Sequence 39, Appl
29	51	28.7	390	10 US-09-909-320-39	Sequence 39, Appl
30	51	28.7	390	10 US-09-909-088B-39	Sequence 39, Appl
31	51	28.7	571	10 US-09-925-301-1031	Sequence 1031, Ap
32	51	28.7	1168	10 US-09-919-603-2	Sequence 2, Appli
33	51	28.7	1172	10 US-09-919-770-4	Sequence 4, Appli
34	51	28.7	1172	10 US-09-822-682-2	Sequence 2, Appli
35	50.5	28.4	63	10 US-09-764-877-1674	Sequence 1674, Ap
36	50.5	28.4	726	10 US-09-770-689A-4	Sequence 4, Appli
37	50.5	28.4	803	10 US-09-770-689A-2	Sequence 2, Appli
38	50.5	28.4	881	10 US-09-816-860A-2	Sequence 2, Appli
39	50.5	27.4	885	10 US-09-815-242-5090	Sequence 5090, Ap
40	50.5	27.4	1397	10 US-09-845-583-10	Sequence 10, Appl
41	50.5	27.4	3571	10 US-09-911-842-2	Sequence 2, Appli
42	50	28.1	66	10 US-09-867-550-2030	Sequence 2030, Ap
43	50	27.2	272	10 US-09-864-761-35520	Sequence 35520, A
44	49.5	27.8	129	10 US-09-739-254-140	Sequence 140, App
45	49.5	27.8	129	10 US-09-904-615-140	Sequence 140, App

ALIGNMENTS

RESULT 1  
US-09-738-973-439  
; Sequence 439, Application US/09738973  
; Patent No. US20020110563A1  
; GENERAL INFORMATION:  
; APPLICANT: Reed, Steven G.  
; APPLICANT: Henderson, Robert A.  
; APPLICANT: Lodes, Michael J.  
; APPLICANT: Filing, Steven P.  
; APPLICANT: Mohamath, Raodoh  
; APPLICANT: Algate, Paul A.  
; APPLICANT: Secrist, Heather  
; APPLICANT: Indrias, Carol Yoseph  
; APPLICANT: Benson, Darin R.  
; APPLICANT: Elliot, Mark  
; APPLICANT: Mannion, Jane  
; APPLICANT: Kalos, Michael D.  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR LUNG CANCER  
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER  
; FILE REFERENCE: 210121.475C9  
; CURRENT APPLICATION NUMBER: US/09/738, 973  
; CURRENT FILING DATE: 2000-12-14  
; NUMBER OF SEQ ID NOS: 587  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 439  
; LENGTH: 378  
; TYPE: PRT  
; ORGANISM: Homo sapiens

## US-09-738-973-439

Alignment Scores:  
Pred. No.: 2,27e-14 Length: 378  
Score: 178.00 Matches: 32  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 100.00% Indels: 0  
DB: 10 Gaps: 0

US-09-485-951-3 (1-96) x US-09-738-973-439 (1-378)

QY 1 AACCCCGCACAGTCCCTGTTCCAGCTGCTCTCCACGGTCCGCTTCTCCAGCCTGTC 60

Db 172 AsnProArgThrValProValGlnProAlaPheSerThrValProPheSerGlnProVal 191

QY 61 TGTTCCTCCACCCAGCCGAGGGGGCGCACACAAAA 96

Db 192 CysPheProProArgProArgGlyArgGlnLys 203

## RESULT 2

US-09-864-761-44469

; Sequence 44469, Application US/09864761

; Patent No. US20020048763A1

; GENERAL INFORMATION:

; APPLICANT: Penn, Sharon G.

; APPLICANT: Rank, David R.

; APPLICANT: Hanzel, David K.

; APPLICANT: Chen, Wensheng

; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR

; FILE REFERENCE: Aecomica-X-1

; CURRENT APPLICATION NUMBER: US/09/864,761

; PRIOR FILING DATE: 2001-05-23

; PRIOR APPLICATION NUMBER: US 60/180,312

; PRIOR FILING DATE: 2000-02-04

; PRIOR APPLICATION NUMBER: US 60/207,456

; PRIOR FILING DATE: 2000-05-26

; PRIOR APPLICATION NUMBER: US 09/632,366

; PRIOR FILING DATE: 2000-08-03

; PRIOR APPLICATION NUMBER: GB 24263.6

; PRIOR FILING DATE: 2000-10-04

; PRIOR APPLICATION NUMBER: US 60/236,359

; PRIOR FILING DATE: 2000-09-27

; PRIOR APPLICATION NUMBER: PCT/US01/00666

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00667

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00664

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00669

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00665

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00668

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00663

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00662

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00661

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00670

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: US 60/234,687

; PRIOR FILING DATE: 2000-09-21

; PRIOR APPLICATION NUMBER: US 09/608,408

; PRIOR FILING DATE: 2000-06-30

; PRIOR APPLICATION NUMBER: US 09/774,203

; PRIOR FILING DATE: 2001-01-29

; NUMBER OF SEQ ID NOS: 49117

; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1

; SEQ ID NO 44469

; LENGTH: 64  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: MAP TO AC002091.1  
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.45  
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.49  
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.3  
; OTHER INFORMATION: EST\_HUMAN HIT: AW672785.1, EVALUUE 7.00e-07  
US-09-864-761-44469

## Alignment Scores:

Pred. No.: 5.54 Length: 64  
Score: 59.50 Matches: 13  
Percent Similarity: 51.72% Conservative: 2  
Best Local Similarity: 44.83% Mismatches: 13  
Query Match: 33.43% Indels: 1  
DB: 10 Gaps: 1

US-09-485-951-3 (1-96) x US-09-864-761-44469 (1-64)

QY 4 CCCCGCACAGTCCCTGTTCCAGCTGCTCTCCACGGTCCGCTTCTCCAGCCTGTC--- 60

Db 30 ProArgGluIleProCysSerProAlaLeuTyrArgProMetThrProCysPro 49

QY 61 TGTTCCTCCACCCAGCCGAGGGGGCGC 87

Db 50 LeuHisProProArgProArgGlyArg 58

## RESULT 3

US-09-764-877-1531

; Sequence 1531, Application US/09764877

; Patent No. US20020147140A1

; GENERAL INFORMATION:

; APPLICANT: Rosen et al.

; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

; FILE REFERENCE: PC005

; CURRENT APPLICATION NUMBER: US/09/764,877

; CURRENT FILING DATE: 2001-01-17

; Prior application data removed - refer to PALM or file wrapper

; NUMBER OF SEQ ID NOS: 4031

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 1531

; LENGTH: 129

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-764-877-1531

Alignment Scores:

Pred. No.: 8.63 Length: 129  
Score: 58.00 Matches: 13  
Percent Similarity: 56.00% Conservative: 1  
Best Local Similarity: 52.00% Mismatches: 11  
Query Match: 32.58% Indels: 0  
DB: 10 Gaps: 0

US-09-485-951-3 (1-96) x US-09-764-877-1531 (1-129)

QY 3 CCCCGCACAGTCCCTGTTCCAGCTGCTCTCCACGGTCCGCTTCTCCAGCCTGTCG 62

Db 89 ProProProAlaHisThrSerThrCysLeuPheProSerHisProLeuProAlaProSer 108

QY 63 TTTCCACCCAGGCC 77

Db 109 PheProThrGlnAla 113

## RESULT 4

US-09-764-868-753

; Sequence 753, Application US/09764868

; Patent No. US20020168711A1

; GENERAL INFORMATION:

; APPLICANT: Rosen et al.

; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

```
; FILE REFERENCE: PTZ32
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 753
; LENGTH: 234
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (46)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (47)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (173)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (200)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; US-09-764-868-753

Alignment Scores:
Pred. No.:      8.81      Length:      234
Score:          58.00      Matches:      16
Percent Similarity: 61.29%      Conservative: 3
Best Local Similarity: 51.61%      Mismatches: 8
Query Match:      32.58%      Indels:      4
DB:              9        Gaps:      2

US-09-485-951-3 (1-96) x US-09-764-868-753 (1-234)

QY  2 ACCCCGACAGTCCCTGTTTCAGGCTGCTTCCACGGTGCCGTTTCCACGCTGTCT 61
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db  67 ThrProThrSerLeuAspSerLeuSerPro-----SerPro---ValThr 82
    :::: ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY  62 GTTCCACCCAGCGCGGGGCGGCAGACAAA 94
    :::: ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db  83 ThrAlaValProGlyProGlyProAspLys 93

RESULT 5
US-09-900-425A-2
; Sequence 2, Application US/09900425A
; Patent No. US20020164601A1
; GENERAL INFORMATION:
; APPLICANT: Wu, Hongjiang
; TITLE OF INVENTION: Human RNase III and Compositions and Uses Thereof
; FILE REFERENCE: ISPH-0522
; CURRENT APPLICATION NUMBER: US/09/900,425A
; CURRENT FILING DATE: 2002-01-29
; PRIOR APPLICATION NUMBER: US 09/479,783
; PRIOR FILING DATE: 2000-01-07
; PRIOR APPLICATION NUMBER: US 08/870,608
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: US 80/659,440
; PRIOR FILING DATE: 1996-06-06
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 1374
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-900-425A-2

Alignment Scores:
Pred. No.:      12.4      Length:      1374
Score:          57.00      Matches:      11
Percent Similarity: 52.00%      Conservative: 2
Best Local Similarity: 44.00%      Mismatches: 8
```

```
Query Match:      32.02%      Indels:      4
DB:              9        Gaps:      1

US-09-485-951-3 (1-96) x US-09-900-425A-2 (1-1374)

QY  16 CCTGTTTACGCTGCTTCTCCACG-----GTGCGGTTCTCCACGCTGTCTGT 63
    |||:::||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db  97 ProIleArgProPheProAsnHisGlnMetArgHisProPheValProProCys 116
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY  64 TTCCACCCAGGCGCC 78
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db  117 PheProMetPro 121

RESULT 6
US-09-925-302-855
; Sequence 855, Application US/09925302
; Patent No. US20020044941A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA104
; CURRENT APPLICATION NUMBER: US/09/925,302
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05918
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 896
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 855
; LENGTH: 173
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (159)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (168)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; US-09-925-302-855

Alignment Scores:
Pred. No.:      13.3      Length:      173
Score:          56.50      Matches:      13
Percent Similarity: 57.69%      Conservative: 2
Best Local Similarity: 50.00%      Mismatches: 10
Query Match:      31.74%      Indels:      1
DB:              10       Gaps:      1

US-09-485-951-3 (1-96) x US-09-925-302-855 (1-173)

QY  4 CCGCGACAGTCCCTGTTTCAGGCTGCTTCCACGGTGCCGTTTCCACGCTGTCTGT 63
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db  149 ProArgIleGlyTyrProLysProAlaLeu***ThrProSerSerGlnPro---Cys 167
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY  64 TTCCACCCAGGCGCCAGS 81
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db  168 ***AlaProArgProLys 173

RESULT 7
US-09-864-761-46301
; Sequence 46301, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FO
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
```

```
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 46301
; LENGTH: 47
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL159141.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 3.5
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.4
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.6
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.6
; OTHER INFORMATION: EST_HUMAN HIT: AU119105.1, EVALUE 2.00e-21
US-09-864-761-46301

Alignment Scores:
Pred. No.: 14.6 Length: 47
Score: 56.00 Matches: 11
Percent Similarity: 46.67% Conservative: 3
Best Local Similarity: 36.67% Mismatches: 16
Query Match: 30.43% Indels: 0
DB: 10 Gaps: 0

US-09-485-951-3 (1-96) x US-09-864-761-46301 (1-47)
QY 94 TTGTGTCGCCCCCTGGCGCTGGTGGGAACAGACAGCGTGGGAGACGGCACCGCTGG 35
Db 16 PheValCysGlnProThrArgLysThrAlaPheLeuThrAlaGlyAlaSerTrp 35
QY 34 AGAAGCAGGCTGAACAGGACGTGCGGG 5
Db 36 ArgSerSerLysHisAlaArgCysGly 45
RESULT 8
US-09-925-300-1406

; Sequence 1406, Application US/09925300
; Patent No. US20020151681A1
; GENERAL INFORMATION:
; APPLICANT: Craig Rosen,
; APPLICANT: Steve Ruben
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA101
; CURRENT APPLICATION NUMBER: US/09/925,300
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05988
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1890
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1406
; LENGTH: 329
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (312)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-925-300-1406

Alignment Scores:
Pred. No.: 15.6 Length: 329
Score: 56.00 Matches: 15
Percent Similarity: 57.14% Conservative: 5
Best Local Similarity: 42.86% Mismatches: 8
Query Match: 31.46% Indels: 7
DB: 10 Gaps: 1

US-09-485-951-3 (1-96) x US-09-925-300-1406 (1-329)
QY 4 CCCCACAGTCCCTGTCAGCTGCTTCTCCACGGTGCCTTCCTCC----- 52
Db 18 ProThrArgThrProAlaGluPro-ProArgProArgGlyArgAsnProAlaSerAsnAs 37
QY 53 -----AGCCTGCTGTTCCACCCAGCCAGCGGGCGCA 88
Db 37 nSerAsnSerLeuAsnValAsnGlyValProGlyGlyAla 51
RESULT 9
US-10-006-950-2
; Sequence 2, Application US/10006950
; Patent No. US20020161216A1
; GENERAL INFORMATION:
; APPLICANT: Borowsky, Beth E.
; APPLICANT: Bonini, James A.
; TITLE OF INVENTION: DNA ENCODING ORPHAN SNORF4 RECEPTOR
; FILE REFERENCE: 58799
; CURRENT APPLICATION NUMBER: US/10/006,950
; CURRENT FILING DATE: 2001-12-03
; PRIOR APPLICATION NUMBER: US/09/266,407
; PRIOR FILING DATE: 1999-03-10
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.0 - beta
; SEQ ID NO 2
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-006-950-2

Alignment Scores:
Pred. No.: 15.8 Length: 470
Score: 56.00 Matches: 12
Percent Similarity: 53.33% Conservative: 4
Best Local Similarity: 40.00% Mismatches: 14
Query Match: 31.46% Indels: 0
DB: 9 Gaps: 0

US-09-485-951-3 (1-96) x US-10-006-950-2 (1-470)
```



ORGANISM: Homo sapiens  
FEATURE:  
OTHER INFORMATION: MAP TO AC023490.4  
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2.8  
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 3.1  
OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 4.3  
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 3.9  
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 3.4  
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2.3  
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 3.4  
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 4.1  
OTHER INFORMATION: EST\_HUMAN HIT: BE531263.1, EVALUE 2.00e-04  
OTHER INFORMATION: SWISSPROT HIT: P29400, EVALUE 1.60e-01  
US-09-864-761-41757

Alignment Scores:  
Pred. No.: 22.6 Length: 80  
Score: 54.50 Matches: 14  
Percent Similarity: 51.43% Conservative: 4  
Best Local Similarity: 40.00% Mismatches: 13  
Query Match: 30.62% Indels: 4  
DB: 10 Gaps: 1

US-09-485-951-3 (1-96) x US-09-864-761-41757 (1-80)

QY 3 CCCCCGACAGTCCCTGTTTCAGCC-----TGCTTCTCCACGGTGCCTTCTCCCA 53  
||||| ||| ||||| :||| |||  
Db 16 ProProGlnCysProGlyProArgAsnArgHisCysLeu-AsnLeuAlaProMetGlyGI 35  
||| :||| ||||| ||||| :||| :|||  
QY 54 GCCTGTCTGTTTCCACCCAGGCCGAGGGCGGCACACAAAA 96  
| :||| ||||| ||||| :||| :|||  
Db 35 nSerLeuGlnPheProProProArgGlyGlnSerGlnGln 49

RESULT 13  
US-09-864-761-37782  
; Sequence 37782, Application US/09864761  
; Patent No. US20020048763A1  
; GENERAL INFORMATION:  
; APPLICANT: Penn, Sharon G.  
; APPLICANT: Rank, David R.  
; APPLICANT: Hanzel, David K.  
; APPLICANT: Chen, Wensheng  
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
; FILE REFERENCE: Aeonica-X-1  
; CURRENT APPLICATION NUMBER: US/09/864,761  
; CURRENT FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/180,312  
; PRIOR FILING DATE: 2000-02-04  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 09/632,366  
; PRIOR FILING DATE: 2000-08-03  
; PRIOR APPLICATION NUMBER: GB 24263,6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00661  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00670  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: US 60/234,687  
PRIOR FILING DATE: 2000-09-21  
PRIOR APPLICATION NUMBER: US 09/608,408  
PRIOR FILING DATE: 2000-06-30  
PRIOR APPLICATION NUMBER: US 09/774,203  
PRIOR FILING DATE: 2001-01-29  
NUMBER OF SEQ ID NOS: 49117  
SOFTWARE: Annomax Sequence Listing Engine vers. 1.1  
SEQ ID NO 37782  
LENGTH: 83  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
OTHER INFORMATION: MAP TO AL021579.1  
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 3  
OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 2.9  
OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 2.4  
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2.6  
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.6  
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.5  
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2.9  
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 3.4  
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2.9  
OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 3.4  
OTHER INFORMATION: EST\_HUMAN HIT: AW375534.1, EVALUE 6.00e-26  
OTHER INFORMATION: SWISSPROT HIT: P48634, EVALUE 2.00e-06  
US-09-864-761-37782

Alignment Scores:  
Pred. No.: 22.7 Length: 83  
Score: 54.50 Matches: 13  
Percent Similarity: 57.69% Conservative: 2  
Best Local Similarity: 50.00% Mismatches: 4  
Query Match: 30.62% Indels: 7  
DB: 10 Gaps: 1

US-09-485-951-3 (1-96) x US-09-864-761-37782 (1-83)  
QY 4 CCCCCGACAGTCCCTGTTTCAGCTGCTTCTCCACGGTGCCTTCTCCACGGCTGTGTGT 63  
||||| ||||| ||||| :||| :|||  
Db 18 ProGlnThrValProSerGlnProSerSerThrValPro----- 31  
QY 64 TTCCCCACCCAGGCCCAGG 81  
||||| |||  
Db 32 ---ProProProHisArg 36

RESULT 14  
US-09-800-729-94  
; Sequence 94, Application US/09800729  
; Patent No. US20020068319A1  
; GENERAL INFORMATION:  
; APPLICANT: Ni et al.  
; TITLE OF INVENTION: 32 Human secreted proteins  
; FILE REFERENCE: P2044P1  
; CURRENT APPLICATION NUMBER: US/09/800,729  
; CURRENT FILING DATE: 2001-03-08  
; PRIOR APPLICATION NUMBER: PCT/US00/26013  
; PRIOR FILING DATE: 2000-09-22  
; PRIOR APPLICATION NUMBER: 60/155,709  
; PRIOR FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 217  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 94  
; LENGTH: 146  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-800-729-94  
Alignment Scores:







GenCore version 5.1.3  
Copyright (c) 1993 - 2002 CompuGen Ltd.

OM nucleic - protein search, using frame\_plus\_n2p model

Run on: November 23, 2002, 23:44:49 ; Search time 22.5 Seconds  
(without alignments)  
251.076 Million cell updates/sec

Title: US-09-485-951-3  
Perfect score: 178  
Sequence: 1 aaccocccacagtcctcgt.....ccagggggcgcagacaaaaa 96

Scoring table:  
BLOSUM62 Xgapop 10.0 , Xgapext 0.5  
Ygapop 10.0 , Ygapext 0.5  
Fgapop 6.0 , Fgapext 7.0  
Delop 6.0 , Delext 7.0

Searched: 262574 seqs, 2942292 residues

Total number of hits satisfying chosen parameters: 525148

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Command line parameters:  
-MODEL=frame+n2p.model -DEV=xlp  
-O=/cgn2.1/USPTO.spool/US09485951/runat\_20112002.094835\_22086/app\_query.fasta\_1.263  
-DB=Issued\_Patents\_AA -QFMT=fastan -SUFFIX=n2p.ra -MINMATCH=0.1 -LOOPCL=0  
-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosum62 -TRANS=human40.cdi  
-LIST=45 -DOCALLIGN=pct -THR\_SCORE=pct -THR\_MAX=100 -THR\_MIN=0 -ALIGN=15  
-MODE=LOCAL -OUTFMT=pct -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=2000000000  
-USER=US09485951@cgn1.1.7 @runat\_20112002.094835\_22086 -NCPU=6 -ICPU=3  
-NO\_XLPXY -NO\_MAP -LARGEQUERY -NEG\_SCORES=0 -WAIT -LONGLOG -DEV\_TIMEOUT=120  
-WARN\_TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOPOP=6 -FGAPEXT=7  
-YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Issued\_Patents\_AA:\*  
1: /cgn2.6/ptodata/2/1aa/5A\_COMB.pep:\*  
2: /cgn2.6/ptodata/2/1aa/5A\_COMB.pep:\*  
3: /cgn2.6/ptodata/2/1aa/6A\_COMB.pep:\*  
4: /cgn2.6/ptodata/2/1aa/6A\_COMB.pep:\*  
5: /cgn2.6/ptodata/2/1aa/PCTUS\_COMB.pep:\*  
6: /cgn2.6/ptodata/2/1aa/backfiles1.pep:\*

pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	56.5	30.7	534	2	US-08-691-814B-8
C 2	55.5	30.2	142	4	US-09-072-596-277
C 3	54.5	30.6	26	4	US-09-024-975-8
C 4	54	30.3	108	3	US-08-966-269-15
C 5	54	30.3	108	4	US-09-436-183A-15
C 6	54	30.3	125	3	US-08-966-269-4
C 7	54	30.3	125	4	US-09-436-183A-4
C 8	54	29.3	156	1	US-08-469-667-20
C 9	54	29.3	156	4	US-09-224-110-20
C 10	54	29.3	156	5	PCT-US95-07289-20
C 11	54	29.3	537	4	US-09-655-270A-11
C 12	54	29.3	537	4	US-09-651-941-11

C 13	54	29.3	537	4	US-09-955-597-11	Sequence 11, Appl
14	52.5	29.5	214	1	US-08-217-327-4	Sequence 4, Appl
15	52.5	29.5	1581	4	US-09-110-517-2	Sequence 2, Appl
16	52	29.2	499	4	US-09-049-672A-1	Sequence 1, Appl
17	52	29.2	905	2	US-08-574-959A-9	Sequence 9, Appl
18	52	29.2	905	4	US-09-357-014-9	Sequence 9, Appl
19	52	29.2	1135	2	US-08-574-959A-7	Sequence 7, Appl
20	52	29.2	1135	4	US-09-357-014-7	Sequence 7, Appl
21	51.5	28.9	221	4	US-09-324-542-156	Sequence 156, App
22	51.5	28.9	221	4	US-09-205-426-156	Sequence 156, App
23	51.5	28.9	336	2	US-08-997-080-156	Sequence 156, App
24	51.5	28.9	336	2	US-08-997-362-156	Sequence 156, App
25	51.5	28.9	336	4	US-09-095-855-156	Sequence 156, App
26	51.5	28.9	595	1	US-08-468-036-3	Sequence 3, Appl
27	51.5	28.9	595	2	US-08-376-843-3	Sequence 3, Appl
28	51	28.7	390	2	US-08-979-424-1	Sequence 1, Appl
29	51	27.7	422	1	US-08-396-218-2	Sequence 2, Appl
C 30	51	27.7	422	1	US-08-760-116-2	Sequence 2, Appl
31	51	28.7	1172	1	US-08-313-288B-19	Sequence 19, Appl
32	50	28.1	263	5	PCT-US91-08177-13	Sequence 13, Appl
33	50	28.1	1082	1	US-08-106-493A-2	Sequence 2, Appl
34	50	28.1	1082	1	US-08-429-264-2	Sequence 2, Appl
35	50	28.1	1139	1	US-08-832-883-2	Sequence 2, Appl
36	50	28.1	1139	2	US-08-832-877-2	Sequence 2, Appl
37	49.5	27.8	57	4	US-09-227-357-534	Sequence-534, App
C 38	49.5	26.9	260	3	US-09-025-059-3	Sequence 3, Appl
39	49.5	27.8	320	2	US-08-579-940-8	Sequence 8, Appl
40	49.5	27.8	324	2	US-08-579-940-7	Sequence 7, Appl
41	49.5	27.8	445	1	US-08-353-400-33	Sequence 33, Appl
42	49.5	27.8	447	6	5455030-1	Patent No. 5455030
43	49.5	27.8	464	1	US-08-353-400-36	Sequence 36, Appl
44	49.5	27.8	551	4	US-09-194-145-2	Sequence 2, Appl
45	49.5	27.8	551	6	5198359-2	Patent No. 5198359

ALIGNMENTS

RESULT 1  
US-08-691-814B-8  
; Sequence 8, Application US/08691814B  
; Patent No. 5981218  
; GENERAL INFORMATION:  
; APPLICANT: Rio, Marie-Christine  
; APPLICANT: Tomasetto, Catherine  
; APPLICANT: Basset, Paul  
; APPLICANT: Byrne, Jennifer  
; TITLE OF INVENTION: Isolated Nucleic Acid Molecules Useful  
; TITLE OF INVENTION: as Leukemia Markers and in Breast Cancer Prognosis  
; NUMBER OF SEQUENCES: 124  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.  
; STREET: 1100 New York Ave, NW, Suite 600  
; CITY: Washington  
; STATE: DC  
; COUNTRY: USA  
; ZIP: 20005-3934  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/691,814B  
; FILING DATE: 31-JUL-1996  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 60/002,183  
; FILING DATE: 09-AUG-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Steffe, Eric K.  
; REGISTRATION NUMBER: 36,688  
; REFERENCE/DOCKET NUMBER: 1383.0090001  
; TELECOMMUNICATION INFORMATION:

```
;
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2543
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 534 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-691-814B-8
Alignment Scores:
Pred. No.: 12.1 Length: 534
Score: 56.50 Matches: 13
Percent Similarity: 48.72% Conservative: 6
Best Local Similarity: 33.33% Mismatches: 9
Query Match: 30.71% Indels: 11
DB: 2 Gaps: 2

US-09-485-951-3 (1-96) x US-08-691-814B-8 (1-534)
QY 87 GCGCCCTCT-----GCGCTGGTGGGAACAGACAGCTGGGAGACGGGACCGTGA 34
Db 265 SerProGlnArgAspProAsnTrpAsnGlyGluArgLeuAsnLysSerHisArgHis 284
QY 33 GAAGGCAGG-----CTGAACAGGAGCTGTGCGGG 4
Db 285 GlnGlyLeuGlyGlyThrLeuProProArgThrPheIleAsnArgAsnAlaAlaGly 303
RESULT 2
US-09-072-596-277
; Sequence 277, Application US/09072596
; Patent No. 6458366
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Dillon, David C.
; APPLICANT: Campos-Neto, Antonia
; APPLICANT: Houghton, Raymond
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Twardzik, Daniel R.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Hendrickson, Ronald C.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF TUBERCULOSIS
; NUMBER OF SEQUENCES: 350
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/072,596
; FILING DATE: 05-MAY-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.417C9
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 277:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 142 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-072-596-277
Alignment Scores:
Pred. No.: 14.7 Length: 26
Score: 54.50 Matches: 11
Percent Similarity: 66.67% Conservative: 5
Best Local Similarity: 45.83% Mismatches: 7
Query Match: 30.62% Indels: 1
DB: 4 Gaps: 1

;
; MOLECULE TYPE: protein
US-09-072-596-277
Alignment Scores:
Pred. No.: 13.7 Length: 142
Score: 55.50 Matches: 12
Percent Similarity: 50.00% Conservative: 3
Best Local Similarity: 40.00% Mismatches: 6
Query Match: 30.16% Indels: 9
DB: 4 Gaps: 1

US-09-485-951-3 (1-96) x US-09-072-596-277 (1-142)
QY 82 CCTGTGGCTGGTGGGAACAGACAGCT-----GGG 50
Db 29 ProTrpValThrLeuGlySerArgLeuAlaLeuProLysProLysArgAspTyrGly 48
QY 49 AGAAGCGACCGTGGAGAACGACGAGCTGAA 20
Db 49 ArgLeuSerProTrpGlyArgLeuAlaGlu 58
RESULT 3
US-09-024-975-8
; Sequence 8, Application US/09024975
; Patent No. 6133233
; GENERAL INFORMATION:
; APPLICANT: ROSS, CHRISTOPHER R.
; APPLICANT: BLECHA, FRANK
; APPLICANT: SHI, JISHU
; TITLE OF INVENTION: PEPTIDE MODULATION OF REPERFUSION INJURY
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HOVEY, WILLIAMS, TIMMONS & COLLINS
; STREET: 2405 GRAND BLVD., SUITE 400
; CITY: KANSAS CITY
; STATE: MO
; COUNTRY: USA
; ZIP: 64108
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/024,975
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/802,306
; FILING DATE: 18-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: COLLINS, JOHN M.
; REGISTRATION NUMBER: 26,262
; REFERENCE/DOCKET NUMBER: 25585-A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 816/474-9050
; TELEFAX: 816/474-9057
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 26 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-024-975-8
Alignment Scores:
Pred. No.: 14.7 Length: 26
Score: 54.50 Matches: 11
Percent Similarity: 66.67% Conservative: 5
Best Local Similarity: 45.83% Mismatches: 7
Query Match: 30.62% Indels: 1
DB: 4 Gaps: 1
```

US-09-485-951-3 (1-96) x US-09-024-975-8 (1-26)	US-09-485-951-3 (1-96) x US-09-436-183A-15 (1-108)	US-09-485-951-3 (1-96) x US-08-966-269-15 (1-108)	US-09-485-951-3 (1-96) x US-08-966-269-4 (1-125)
<p>Pred. No.: 20.8 Score: 54.00 Matches: 11 Percent Similarity: 48.00% Conservative: 1 Best Local Similarity: 44.00% Mismatch: 13 Query Match: 30.34% Indels: 0 Gaps: 0</p> <p>US-09-485-951-3 (1-96) x US-09-024-975-8 (1-26)</p> <p>QY 16 CCTGTTCCAGCTGCTTCCACGGTCCGTTCTCCACGCTGCTGTTTCCACCCAGG 75       Db 4 ProLeuArgProPheProProArgProArgProLeu---TyrProArg 22      </p> <p>QY 76 CCNAGGGGGGC 87       Db 23 ProArgArg 26      </p> <p>RESULT 4 ; Sequence 15, Application US/08966269 ; Patent No. 6046000 ; GENERAL INFORMATION: ; APPLICANT: McCarthy, Sean A. ; APPLICANT: Kuranda, Michael Joseph ; APPLICANT: Bulawa, Christine Ellen ; APPLICANT: Bossone, Steven ; TITLE OF INVENTION: METHOD FOR IDENTIFYING GENES ENCODING SIGNAL SEQUENCES ; FILE REFERENCE: 09404/032001 ; CURRENT APPLICATION NUMBER: US/08/966,269 ; CURRENT FILING DATE: 1997-11-07 ; NUMBER OF SEQ ID NOS: 15 ; SOFTWARE: FastSeq for Windows Version 3.0 ; SEQ ID NO 15 ; LENGTH: 108 ; TYPE: PRT ; ORGANISM: Homo sapiens US-08-966-269-15</p> <p>Alignment Scores: Pred. No.: 20.8 Score: 54.00 Matches: 11 Percent Similarity: 48.00% Conservative: 1 Best Local Similarity: 44.00% Mismatch: 13 Query Match: 30.34% Indels: 0 Gaps: 0</p>	<p>Pred. No.: 20.8 Score: 54.00 Matches: 11 Percent Similarity: 48.00% Conservative: 1 Best Local Similarity: 44.00% Mismatch: 13 Query Match: 30.34% Indels: 0 Gaps: 0</p> <p>US-09-485-951-3 (1-96) x US-09-436-183A-15 (1-108)</p> <p>QY 20 TTCAGCTGCTTCTCCACGGTCCGTTCTCCACGCTGCTGTTTCCACCCAGGCCCA 79       Db 17 PheCysAlaProGlyAlaArgAlaGluProAlaAlaSerPheSerGlnProGlySer 36      </p> <p>QY 80 GGGGGCGCAGACAAA 94       Db 37 MetGlyLeuAspLys 41      </p> <p>RESULT 6 ; Sequence 4, Application US/08966269 ; Patent No. 6046000 ; GENERAL INFORMATION: ; APPLICANT: McCarthy, Sean A. ; APPLICANT: Kuranda, Michael Joseph ; APPLICANT: Bulawa, Christine Ellen ; APPLICANT: Bossone, Steven ; TITLE OF INVENTION: METHOD FOR IDENTIFYING GENES ENCODING SIGNAL SEQUENCES ; FILE REFERENCE: 09404/032001 ; CURRENT APPLICATION NUMBER: US/08/966,269 ; CURRENT FILING DATE: 1997-11-07 ; NUMBER OF SEQ ID NOS: 15 ; SOFTWARE: FastSeq for Windows Version 3.0 ; SEQ ID NO 4 ; LENGTH: 125 ; TYPE: PRT ; ORGANISM: Homo sapiens US-08-966-269-4</p> <p>Alignment Scores: Pred. No.: 21.2 Score: 54.00 Matches: 11 Percent Similarity: 48.00% Conservative: 1 Best Local Similarity: 44.00% Mismatch: 13 Query Match: 30.34% Indels: 0 Gaps: 0</p>	<p>Pred. No.: 20.8 Score: 54.00 Matches: 11 Percent Similarity: 48.00% Conservative: 1 Best Local Similarity: 44.00% Mismatch: 13 Query Match: 30.34% Indels: 0 Gaps: 0</p> <p>US-09-485-951-3 (1-96) x US-08-966-269-15 (1-108)</p> <p>QY 20 TTCAGCTGCTTCTCCACGGTCCGTTCTCCACGCTGCTGTTTCCACCCAGGCCCA 79       Db 17 PheCysAlaProGlyAlaArgAlaGluProAlaAlaSerPheSerGlnProGlySer 36      </p> <p>QY 80 GGGGGCGCAGACAAA 94       Db 37 MetGlyLeuAspLys 41      </p> <p>RESULT 5 ; Sequence 15, Application US/09436183A ; Patent No. 6410315 ; GENERAL INFORMATION: ; APPLICANT: McCarthy, Sean A. ; APPLICANT: Kuranda, Michael Joseph ; APPLICANT: Bulawa, Christine Ellen ; APPLICANT: Bossone, Steven ; TITLE OF INVENTION: METHOD FOR IDENTIFYING GENES ENCODING SIGNAL SEQUENCES ; FILE REFERENCE: 09404/032001 ; CURRENT APPLICATION NUMBER: US/09/436,183A ; CURRENT FILING DATE: 1999-11-08 ; PRIOR APPLICATION NUMBER: US 08/966,269 ; PRIOR FILING DATE: 1997-11-07 ; NUMBER OF SEQ ID NOS: 15 ; SOFTWARE: FastSeq for Windows Version 3.0 ; SEQ ID NO 15 ; LENGTH: 108 ; TYPE: PRT ; ORGANISM: Homo sapiens US-09-436-183A-15</p> <p>Alignment Scores: Pred. No.: 20.8 Score: 54.00 Matches: 11 Percent Similarity: 48.00% Conservative: 1 Best Local Similarity: 44.00% Mismatch: 13 Query Match: 30.34% Indels: 0 Gaps: 0</p>	<p>Pred. No.: 21.2 Score: 54.00 Matches: 11 Percent Similarity: 48.00% Conservative: 1 Best Local Similarity: 44.00% Mismatch: 13 Query Match: 30.34% Indels: 0 Gaps: 0</p> <p>US-09-485-951-3 (1-96) x US-08-966-269-4 (1-125)</p> <p>QY 20 TTCAGCTGCTTCTCCACGGTCCGTTCTCCACGCTGCTGTTTCCACCCAGGCCCA 79       Db 17 PheCysAlaProGlyAlaArgAlaGluProAlaAlaSerPheSerGlnProGlySer 36      </p> <p>QY 80 GGGGGCGCAGACAAA 94       Db 37 MetGlyLeuAspLys 41      </p> <p>RESULT 7 ; Sequence 4, Application US/09436183A ; Patent No. 6410315 ; GENERAL INFORMATION: ; APPLICANT: McCarthy, Sean A. ; APPLICANT: Kuranda, Michael Joseph ; APPLICANT: Bulawa, Christine Ellen ; APPLICANT: Bossone, Steven ; TITLE OF INVENTION: METHOD FOR IDENTIFYING GENES ENCODING SIGNAL SEQUENCES ; FILE REFERENCE: 09404/032001 ; CURRENT APPLICATION NUMBER: US/09/436,183A ; CURRENT FILING DATE: 1999-11-08 ; PRIOR APPLICATION NUMBER: US 08/966,269 ; PRIOR FILING DATE: 1997-11-07 ; NUMBER OF SEQ ID NOS: 15 ; SOFTWARE: FastSeq for Windows Version 3.0 ; SEQ ID NO 4 ; LENGTH: 125 ; TYPE: PRT ; ORGANISM: Homo sapiens US-08-966-269-4</p> <p>Alignment Scores: Pred. No.: 21.2 Score: 54.00 Matches: 11 Percent Similarity: 48.00% Conservative: 1 Best Local Similarity: 44.00% Mismatch: 13 Query Match: 30.34% Indels: 0 Gaps: 0</p>

Alignment Scores:



```
PCT-US95-07289-20
; Sequence 20, Application PC/TUS9507289
; GENERAL INFORMATION:
; APPLICANT: YU, Guo-Liang
; APPLICANT: ROSEN, CRAIG
; TITLE OF INVENTION: Colon Specific Genes and Proteins
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,
; STREET: Stewart & Olstein
; CITY: Roseland
; STATE: NJ
; COUNTRY: USA
; ZIP: 07068-1739
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/07289
; FILING DATE: 06-JUN-1995
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Ferraro, Gregory D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-265
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 156 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US95-07289-20

Alignment Scores:
Pred. No.: 21.8 Length: 156
Score: 54.00 Matches: 9
Percent Similarity: 54.55% Conservative: 3
Best Local Similarity: 40.91% Mismatches: 10
Query Match: 29.35% Indels: 0
DB: 5 Gaps: 0

US-09-485-951-3 (1-96) x PCT-US95-07289-20 (1-156)
QY 76 GCCTGGTGGAAACAGAGCGTGGGAGACGCGTGGAGAGCGGCTGAACAG 17
||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 5 AlaTrpProValThrArgArgGlyAlaAlaGlyProTrpArgArgThrSer 24
QY 16 GGAATG 11
|||||
Db 25 GlyVal 26

RESULT 11
US-09-655-270A-11
; Sequence 11, Application US/09655270A
; Patent No. 6329151
; GENERAL INFORMATION:
; APPLICANT: Rouviere, Pierre E.
; TITLE OF INVENTION: High Density Sampling of Differentially Expressed Prokaryotic mR
; FILE REFERENCE: BC1011 US NA
; CURRENT APPLICATION NUMBER: US/09/655,270A
; PRIOR FILING DATE: 2000-09-05
; PRIOR APPLICATION NUMBER: 60/120,702
; PRIOR FILING DATE: 1999-February-19
; PRIOR APPLICATION NUMBER: 60/152,542
; PRIOR FILING DATE: 1999-September-03
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: Microsoft Office 97

PCT-US95-07289-20
; SEQ ID NO 11
; LENGTH: 537
; TYPE: PRT
; ORGANISM: Rhodococcus erythropolis HL PW-1
US-09-655-270A-11
Alignment Scores:
Pred. No.: 25.8 Length: 537
Score: 54.00 Matches: 8
Percent Similarity: 45.00% Conservative: 1
Best Local Similarity: 40.00% Mismatches: 11
Query Match: 29.35% Indels: 0
DB: 4 Gaps: 0

US-09-485-951-3 (1-96) x US-09-655-270A-11 (1-537)
QY 94 TTGTCTGCGCCCTGGCTGGTGGGAAACAGAGCGTGGGAGACGCGTGG 35
||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 233 PheGlyThrAlaAspTrpGlyTrpIleGlyLeuMetLeuGlyLeuValProTrp 252

RESULT 12
US-09-651-941-11
; Sequence 11, Application US/09651941
; Patent No. 6355470
; GENERAL INFORMATION:
; APPLICANT: ROUVIER, PIERRE E
; APPLICANT: WALTERS, DANA M
; APPLICANT: RAINER, RUSS
; TITLE OF INVENTION: Genes Encoding Picric Acid Degradation
; FILE REFERENCE: BC1022 US NA
; CURRENT APPLICATION NUMBER: US/09/651,941
; PRIOR FILING DATE: 2000-08-31
; PRIOR APPLICATION NUMBER: 60/152,545
; PRIOR FILING DATE: 1999-10-03
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 11
; LENGTH: 537
; TYPE: PRT
; ORGANISM: Rhodococcus erythropolis HL PW-1
US-09-651-941-11
Alignment Scores:
Pred. No.: 25.8 Length: 537
Score: 54.00 Matches: 8
Percent Similarity: 45.00% Conservative: 1
Best Local Similarity: 40.00% Mismatches: 11
Query Match: 29.35% Indels: 0
DB: 4 Gaps: 0

US-09-485-951-3 (1-96) x US-09-651-941-11 (1-537)
QY 94 TTGTCTGCGCCCTGGCTGGTGGGAAACAGAGCGTGGGAGACGCGTGG 35
||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 233 PheGlyThrAlaAspTrpGlyTrpIleGlyLeuMetLeuGlyLeuValProTrp 252

RESULT 13
US-09-955-597-11
; Sequence 11, Application US/09955597
; Patent No. 6461856
; GENERAL INFORMATION:
; APPLICANT: ROUVIER, PIERRE E
; APPLICANT: WALTERS, DANA M
; APPLICANT: RAINER, RUSS
; TITLE OF INVENTION: Genes Encoding Picric Acid Degradation
; FILE REFERENCE: BC1022 US NA
; CURRENT APPLICATION NUMBER: US/09/955,597
; PRIOR FILING DATE: 2001-09-17
; PRIOR APPLICATION NUMBER: 60/152,545
; PRIOR FILING DATE: 1999-10-03
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 11
```

; LENGTH: 537  
; TYPE: PRT  
; ORGANISM: Rhodococcus erythropolis HL PM-1  
US-09-955-597-11

Alignment Scores:  
Pred. No.: 25.8 Length: 537  
Score: 54.00 Matches: 8  
Percent Similarity: 45.00% Conservative: 1  
Best Local Similarity: 40.00% Mismatches: 11  
Query Match: 29.35% Indels: 0  
DB: 4 Gaps: 0

US-09-485-951-3 (1-96) x US-09-955-597-11 (1-537)

QY 94 TTGTGTCGCCCCCTGGCGCTGGTGGGAACAGACAGCGTGGGAGACGGCAGCGTGG 35  
Db 233 PheGlyThrAlaAspTrpGlyTrpIleGlyLeuMetLeuGlyLeuValProTrp 252

## RESULT 14

US-08-217-327-4  
; Sequence 4, Application US/08217327  
; Patent No. 5474925  
; GENERAL INFORMATION:  
; APPLICANT: John, Maliyakal E  
; APPLICANT: Barton, Kenneth A  
; TITLE OF INVENTION: Immobilized Proteins in Cotton Fiber  
; NUMBER OF SEQUENCES: 16  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Quarles and Brady  
; STREET: P.O. Box 2113  
; CITY: Madison  
; STATE: WI  
; COUNTRY: USA  
; ZIP: 53701-2113

COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/217,327  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/812,233  
; FILING DATE: 13-DEC-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Seay, Nicholas J  
; REGISTRATION NUMBER: 27,386  
; REFERENCE/DOCKET NUMBER: 1122990831  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 608-251-5000  
; TELEFAX: 608-251-9166

INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 214 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-217-327-4

Alignment Scores:  
Pred. No.: 35.9 Length: 214  
Score: 52.50 Matches: 13  
Percent Similarity: 57.58% Conservative: 6  
Best Local Similarity: 39.39% Mismatches: 11  
Query Match: 29.49% Indels: 3  
DB: 1 Gaps: 2

US-09-485-951-3 (1-96) x US-08-217-327-4 (1-214)

QY 2 ACCCCGCGACAGTCC---CTGTTCAGCCTGCCTTCCTCCA-----CGGTGCGCTTCTCC

Db 154 SerProValGlnThrProLeuThrSerProAlaProThrProThruAlaProAlaPro 173  
QY 53 AGCCTGTCTGTTTCCACCACCCAGGGCGGCGGAGAC 91  
Db 174 ThrLeuGlyAlaAlaThrProGlyProAlaGlyThrAsp 186

## RESULT 15

US-09-110-517-2  
; Sequence 2, Application US/09110517A  
; Patent No. 6248520  
; GENERAL INFORMATION:  
; APPLICANT: Roeder, Robert G  
; APPLICANT: Pondell, Joseph D  
; APPLICANT: Yuan, Chao X  
; APPLICANT: Ito, Mitsuhiro  
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING NUCLEAR HORMONE  
; TITLE OF INVENTION: RECEPTOR COACTIVATORS AND USES THEREOF  
; FILE REFERENCE: 600-1-224  
; CURRENT APPLICATION NUMBER: US/09/110,517A  
; CURRENT FILING DATE: 1998-07-06  
; NUMBER OF SEQ ID NOS: 51  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 1581  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-110-517-2

Alignment Scores:  
Pred. No.: 47 Length: 1581  
Score: 52.50 Matches: 12  
Percent Similarity: 64.00% Conservative: 4  
Best Local Similarity: 48.00% Mismatches: 8  
Query Match: 29.49% Indels: 1  
DB: 4 Gaps: 1

US-09-485-951-3 (1-96) x US-09-110-517-2 (1-1581)

QY 23 AGCCTGCCTTCTCCAGGGTCCCGTCTCCAGCCTGTCTGTTTCCACCCA---GGCCCA 79  
Db 1180 SerLeuMetAsnProSerLeuSerLysProAsnIleSerProSerHisSerArgProPro 1199  
QY 80 GGGGGCGCAGACAAA 94  
Db 1200 GlyGlySerAspLys 1204

Search completed: November 24, 2002, 02:15:12  
Job time : 24.5 secs

GenCore version 5.1.3  
Copyright (c) 1993 - 2002 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: November 24, 2002, 02:31:04 ; Search time 10 Seconds  
(without alignments)  
555.983 Million cell updates/sec

Title: US-09-485-951-2  
Perfect score: 355  
Sequence: 1 MAFSGSQAPYLSPAVPFSGT.....LPTINRLEVGGDIQLTHVQT 355

Scoring table: OLIGO

Searched: 100480 seqs, 15661496 residues  
Gapop 60.0 , Gapext 60.0

Word size : 0  
Total number of hits satisfying chosen parameters: 100480

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : Published\_Applications\_AA.\*  
1: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*  
2: /cgn2\_6/ptodata/1/pubpaa/PTCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*  
4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*  
5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*  
6: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*  
7: /cgn2\_6/ptodata/1/pubpaa/PTCTUS\_PUBCOMB.pep.\*  
8: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*  
9: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep.\*  
10: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep.\*  
11: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*  
12: /cgn2\_6/ptodata/1/pubpaa/US10\_PUBCOMB.pep.\*  
13: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*  
14: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	355	100.0	378	10 US-09-738-973-439	Sequence 439, Appl
2	175	49.3	323	10 US-09-728-479-2	Sequence 2, Appli
3	163	45.9	311	10 US-09-263-689-4	Sequence 4, Appli
4	148	41.7	168	10 US-09-922-217-199	Sequence 199, App
5	148	41.7	168	10 US-09-833-263-199	Sequence 199, App
6	89	25.1	323	10 US-09-728-479-12	Sequence 12, Appl
7	69	19.4	145	10 US-09-894-526-3	Sequence 3, Appli
8	69	19.4	149	10 US-09-894-526-3	Sequence 3, Appli
9	38	10.7	97	10 US-09-925-301-1437	Sequence 1437, Ap
10	20	5.6	145	10 US-09-728-479-8	Sequence 8, Appli
11	20	5.6	145	10 US-09-894-526-5	Sequence 5, Appli
12	20	5.6	145	10 US-09-263-689-12	Sequence 12, Appl
13	13	3.7	322	10 US-09-728-479-11	Sequence 11, Appl
14	12	3.4	262	10 US-09-263-689-14	Sequence 14, Appl
15	10	2.8	39	9 US-09-975-143-12	Sequence 12, Appl
16	10	2.8	41	9 US-09-975-143-13	Sequence 13, Appl
17	10	2.8	324	10 US-09-728-479-7	Sequence 7, Appli
18	10	2.8	324	10 US-09-263-689-11	Sequence 11, Appl
19	10	2.8	336	10 US-09-747-804-1	Sequence 1, Appli

20	8	2.3	41	9 US-09-975-143-14	Sequence 14, Appl
21	8	2.3	41	9 US-09-975-143-16	Sequence 16, Appl
22	8	2.3	149	10 US-09-728-479-6	Sequence 6, Appli
23	8	2.3	200	10 US-09-263-689-8	Sequence 8, Appli
24	8	2.3	250	9 US-09-981-353-127	Sequence 127, App
25	8	2.3	250	10 US-09-263-689-10	Sequence 10, Appl
26	8	2.3	315	10 US-09-728-479-10	Sequence 5, Appli
27	8	2.3	316	10 US-09-747-804-5	Sequence 15, Appl
28	8	2.3	316	10 US-09-263-689-17	Sequence 17, Appl
29	8	2.3	317	10 US-09-263-689-6	Sequence 6, Appli
30	8	2.3	323	9 US-09-981-353-110	Sequence 110, App
31	8	2.3	323	10 US-09-802-674-2	Sequence 2, Appli
32	8	2.3	323	10 US-09-922-217-1064	Sequence 1064, Ap
33	8	2.3	323	10 US-09-833-263-1064	Sequence 1064, Ap
34	8	2.3	323	10 US-09-263-689-2	Sequence 2, Appli
35	8	2.3	329	10 US-09-802-674-13	Sequence 13, Appl
36	8	2.3	1433	10 US-09-801-368-60	Sequence 60, Appl
37	7	2.0	49	9 US-09-975-143-36	Sequence 36, Appl
38	7	2.0	49	9 US-09-975-143-36	Sequence 1147, Ap
39	7	2.0	58	10 US-09-925-300-1147	Sequence 4469, A
40	7	2.0	64	10 US-09-864-761-44469	Sequence 1250, Ap
41	7	2.0	167	10 US-09-867-550-1250	Sequence 1345, Ap
42	7	2.0	202	10 US-09-925-300-1145	Sequence 1169, Ap
43	7	2.0	277	10 US-09-925-300-1169	Sequence 11204, A
44	7	2.0	296	10 US-09-815-242-11204	
45	7	2.0			

ALIGNMENTS

RESULT 1  
US-09-738-973-439  
; Sequence 439, Application US/09738973  
; Patent No. US20020110563A1  
; GENERAL INFORMATION:  
; APPLICANT: Reed, Steven G.  
; APPLICANT: Henderson, Robert A.  
; APPLICANT: Lodes, Michael J.  
; APPLICANT: Fling, Steven P.  
; APPLICANT: Mohamath, Raodoh  
; APPLICANT: Aligate, Paul A.  
; APPLICANT: Secrist, Heather  
; APPLICANT: Indirias, Carol Yoseph  
; APPLICANT: Benson, Darin R.  
; APPLICANT: Elliot, Mark  
; APPLICANT: Mannion, Jane  
; APPLICANT: Kalos, Michael D.  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR  
; FILE REFERENCE: 210121.475C9  
; CURRENT APPLICATION NUMBER: US/09/738,973  
; CURRENT FILING DATE: 2000-12-14  
; NUMBER OF SEQ ID NOS: 587  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 439  
; LENGTH: 378  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-738-973-439

Query Match	100.0%	Score 355;	DB 10;	Length 378;
Best Local Similarity	100.0%	Pred. No. 0;		
Matches 355;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	MAFSGSQAPYLSPAVPFSGTIOGGLQDLQITVNGTVLSSGTRFAVNFOTGFGSNDIAF	60	
Db	24	MAFSGSQAPYLSPAVPFSGTIOGGLQDLQITVNGTVLSSGTRFAVNFOTGFGSNDIAF	83	
QY	61	HFNPREDGGYVVCNTRQNSWGPERKTHMPFKGMPPDLCLVQSSDFKVMVNGILFV	120	
Db	84	HFNPREDGGYVVCNTRQNSWGPERKTHMPFKGMPPDLCLVQSSDFKVMVNGILFV	143	

QY 121 QYFHRVPFHRVDTISVNGSVQLSYISFQNPRTVPQPAFSTVPFQPCFFPRPRGRQK 180  
Db 144 QYFHRVPFHRVDTISVNGSVQLSYISFQNPRTVPQPAFSTVPFQPCFFPRPRGRQK 203  
QY 181 PPGVWPANPAPITQVHTVQSAQOMESTPAIPPMYPHPAYPMPFTITILGGLYPSKS 240  
Db 204 PPGVWPANPAPITQVHTVQSAQOMESTPAIPPMYPHPAYPMPFTITILGGLYPSKS 263  
QY 241 ILLSGTVLPSAQRFHNLCSGNHIAFHLNPRDENAVVRNTQIDNSWGSEERSLPRKMPF 300  
Db 264 ILLSGTVLPSAQRFHNLCSGNHIAFHLNPRDENAVVRNTQIDNSWGSEERSLPRKMPF 323  
QY 301 VRGQSFVWILCEAHLKVAVDQHLFEYFHYHRLNRLPTINRLEVGDDIQLTHVQT 355  
Db 324 VRGQSFVWILCEAHLKVAVDQHLFEYFHYHRLNRLPTINRLEVGDDIQLTHVQT 378

## RESULT 2

US-09-728-479-2  
; Sequence 2, Application US/09728479  
; Patent No. US20020034726A1  
; GENERAL INFORMATION:  
; APPLICANT: KANEGASAKI, SHIRO  
; APPLICANT: MATSUMOTO, RYOJI  
; APPLICANT: HIRASHIMA, MITSUOMI  
; TITLE OF INVENTION: EOSINOPHIL CHEMOTACTIC FACTOR  
; FILE REFERENCE: 3914-2  
; CURRENT APPLICATION NUMBER: US/09/728,479  
; CURRENT FILING DATE: 2001-08-16  
; PRIOR APPLICATION NUMBER: PCT/JP99/02952  
; PRIOR FILING DATE: 1999-06-02  
; PRIOR APPLICATION NUMBER: JP 10/170698  
; PRIOR FILING DATE: 1998-06-02  
; NUMBER OF SEQ ID NOS: 12  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 2  
; LENGTH: 323  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-728-479-2

Query Match 49.3%; Score 175; DB 10; Length 323;  
Best Local Similarity 100.0%; Pred. No. 9.9e-161;  
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 181 PPGVWPANPAPITQVHTVQSAQOMESTPAIPPMYPHPAYPMPFTITILGGLYPSKS 240  
Db 149 PPGVWPANPAPITQVHTVQSAQOMESTPAIPPMYPHPAYPMPFTITILGGLYPSKS 208  
QY 241 ILLSGTVLPSAQRFHNLCSGNHIAFHLNPRDENAVVRNTQIDNSWGSEERSLPRKMPF 300  
Db 209 ILLSGTVLPSAQRFHNLCSGNHIAFHLNPRDENAVVRNTQIDNSWGSEERSLPRKMPF 268  
QY 301 VRGQSFVWILCEAHLKVAVDQHLFEYFHYHRLNRLPTINRLEVGDDIQLTHVQT 355  
Db 269 VRGQSFVWILCEAHLKVAVDQHLFEYFHYHRLNRLPTINRLEVGDDIQLTHVQT 323

## RESULT 3

US-09-263-689-4  
; Sequence 4, Application US/09263689  
; Patent No. US20020150970A1  
; GENERAL INFORMATION:  
; APPLICANT: Ni, Jian  
; APPLICANT: Gentz, Reiner L.  
; APPLICANT: Ruben, Steven M.  
; TITLE OF INVENTION: Galectin 8, 9, 10 and 10SV  
; NUMBER OF SEQUENCES: 60  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Sterne, Kessler, Goldstein, & Fox P.L.L.C.  
; STREET: 1100 New York Ave., Suite 600  
; CITY: Washington  
; STATE: D.C.

COUNTRY: USA  
ZIP: 20005-3934  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/263,689  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/946,914  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Steffe, Eric K.  
REGISTRATION NUMBER: 36,688  
REFERENCE/DOCKET NUMBER: 1488.0560001/EKS/SGW  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-371-2600  
TELEFAX: 202-371-2540  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 311 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-263-689-4  
Query Match 45.9%; Score 163; DB 10; Length 311;  
Best Local Similarity 100.0%; Pred. No. 3.3e-149;  
Matches 163; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 193 TOTVHTVQSAQOMFSTPAIPPMYPHPAYPMPFTITILGGLYPSKSLLSGTVLPSAQ 252  
Db 149 TOTVHTVQSAQOMFSTPAIPPMYPHPAYPMPFTITILGGLYPSKSLLSGTVLPSAQ 208  
QY 253 RPHNLCSGNHIAFHLNPRDENAVVRNTQIDNSWGSEERSLPRKMPFVRGQSFVWILC 312  
Db 209 RPHNLCSGNHIAFHLNPRDENAVVRNTQIDNSWGSEERSLPRKMPFVRGQSFVWILC 268  
QY 313 EAHLKVAVDQHLFEYFHYHRLNRLPTINRLEVGDDIQLTHVQT 355  
Db 269 EAHLKVAVDQHLFEYFHYHRLNRLPTINRLEVGDDIQLTHVQT 311  
RESULT 4  
US-09-922-217-199  
; Sequence 199, Application US/09922217  
; Patent No. US20020076414A1  
; GENERAL INFORMATION:  
; APPLICANT: Xu, Jiangchun  
; APPLICANT: Lodes, Michael J.  
; APPLICANT: Secrist, Heather  
; APPLICANT: Benson, Darin R.  
; APPLICANT: Meagher, Madeleine Joy  
; APPLICANT: Stolk, John A.  
; APPLICANT: Wang, Tongtong  
; APPLICANT: Jiang, Yuqiu  
; APPLICANT: Smith, Carole Lynn  
; APPLICANT: King, Gordon E.  
; APPLICANT: Wang, Aijun  
; APPLICANT: Clapper, Jonathan D.  
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS  
; FILE REFERENCE: 210121.471C13  
; CURRENT APPLICATION NUMBER: US/09/922,217  
; CURRENT FILING DATE: 2001-08-03  
; NUMBER OF SEQ ID NOS: 1124  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 199  
; LENGTH: 168  
; TYPE: PRT



```

; PRIOR APPLICATION NUMBER: JP 10/170698
; PRIOR FILING DATE: 1998-06-02
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 323
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-728-479-12

Query Match          25.1%; Score 89; DB 10; Length 323;
Best Local Similarity 100.0%; Pred. No. 4.6e-78;
Matches 89; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 181 PGWVPANPAPIQTQVTHVTQSQAPGQMFSTPAIPPMYPHPAYPMPFTTTTILGGLYPSKS 240
      |||||||
Db 149 PGWVPANPAPIQTQVTHVTQSQAPGQMFSTPAIPPMYPHPAYPMPFTTTTILGGLYPSKS 208
      |||||||

QY 241 ILLSGTVLPQAQRPHINLCSGNHIAFHLN 269
      |||||||
Db 209 ILLSGTVLPQAQRPHINLCSGNHIAFHLN 237
      |||||||

RESULT 7
US-09-894-526-1
; Sequence 1, Application US/09894526
; Patent No. US20020127689A1
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; Goli, Surya K.
; Bandman, Olga
; Hawkins, Phillip R.
; Petithory, Joanne R.
; TITLE OF INVENTION: NOVEL HUMAN GALECTINS
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/894,526
FILING DATE: 27-Jun-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/788,584
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0192 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 145 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 1:

US-09-894-526-1

Query Match          19.4%; Score 69; DB 10; Length 145;
Best Local Similarity 100.0%; Pred. No. 3.9e-59;
Matches 69; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

QY 287 WGSEERSLPKMPFVRGQSFVWILCEAHLKVAVDQHLFYYHRLNLPNTINRLEVG 346  
Db 77 WGSEERSLPKMPFVRGQSFVWILCEAHLKVAVDQHLFYYHRLNLPNTINRLEVG 136

QY 347 DIQLTHVQT 355  
Db 137 DIQLTHVQT 145

## RESULT 8

US-09-894-526-3  
; Sequence 3, Application US/09894526  
; Patent No. US20020127689A1  
; GENERAL INFORMATION:  
; APPLICANT: Hillman, Jennifer L.  
; Goli, Surya K.  
; Bandman, Olga  
; Petithory, Joanne R.  
; TITLE OF INVENTION: NOVEL HUMAN GALECTINS  
; NUMBER OF SEQUENCES: 5  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/894,526  
FILING DATE: 27-Jun-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/788,584  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Billings, Lucy J.  
REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PF-0192 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-855-0555  
TELEFAX: 415-845-4166

INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 149 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
US-09-894-526-3

Query Match 19.4%; Score 69; DB 10; Length 149;  
Best Local Similarity 100.0%; Pred. No. 4e-59;  
Matches 69; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 287 WGSEERSLPKMPFVRGQSFVWILCEAHLKVAVDQHLFYYHRLNLPNTINRLEVG 346  
Db 81 WGSEERSLPKMPFVRGQSFVWILCEAHLKVAVDQHLFYYHRLNLPNTINRLEVG 140

QY 347 DIQLTHVQT 355  
Db 141 DIQLTHVQT 149

## RESULT 9

US-09-925-301-1437  
; Sequence 1437, Application US/09925301

; Patent No. US20020052308A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies  
; FILE REFERENCE: PA106  
; CURRENT APPLICATION NUMBER: US/09/925,301  
; PRIOR FILING DATE: 2001-08-10  
; PRIOR APPLICATION NUMBER: PCT/US00/05882  
; PRIOR FILING DATE: 2000-03-08  
; PRIOR APPLICATION NUMBER: 60/124,270  
; PRIOR FILING DATE: 1999-03-12  
; NUMBER OF SEQ ID NOS: 1694  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 1437  
; LENGTH: 97  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SITE  
; LOCATION: (28)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
US-09-925-301-1437

Query Match 10.7%; Score 38; DB 10; Length 97;  
Best Local Similarity 100.0%; Pred. No. 1.7e-29;  
Matches 38; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 SQAPYLSPAVPFSGTIQGGLDGLQITVNGTVLSSSGT 43  
Db 29 SQAPYLSPAVPFSGTIQGGLDGLQITVNGTVLSSSGT 66

## RESULT 10

US-09-728-479-8  
; Sequence 8, Application US/09728479  
; Patent No. US20020034726A1  
; GENERAL INFORMATION:  
; APPLICANT: KANEGASAKI, SHIRO  
; APPLICANT: MATSUMOTO, RYOJI  
; APPLICANT: HIRASHIMA, MITSUOMI  
; TITLE OF INVENTION: EOSINOPHIL CHEMOTACTIC FACTOR  
; FILE REFERENCE: 3914-2  
; CURRENT APPLICATION NUMBER: US/09/728,479  
; CURRENT FILING DATE: 2001-08-16  
; PRIOR APPLICATION NUMBER: PCT/JP99/02952  
; PRIOR FILING DATE: 1999-06-02  
; PRIOR APPLICATION NUMBER: JP 10/170698  
; PRIOR FILING DATE: 1998-06-02  
; NUMBER OF SEQ ID NOS: 12  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 8  
; LENGTH: 145  
; TYPE: PRT  
; ORGANISM: Rattus sp.  
US-09-728-479-8

Query Match 5.6%; Score 20; DB 10; Length 145;  
Best Local Similarity 100.0%; Pred. No. 4.9e-12;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 264 IAFHLNPRFDENAVVRNTQI 283  
Db 54 IAFHLNPRFDENAVVRNTQI 73

## RESULT 11

US-09-894-526-5  
; Sequence 5, Application US/09894526  
; Patent No. US20020127689A1  
; GENERAL INFORMATION:  
; APPLICANT: Hillman, Jennifer L.  
; Goli, Surya K.  
; Bandman, Olga

Hawkins, Phillip R.  
Petichory, Joanne R.  
TITLE OF INVENTION: NOVEL HUMAN GALECTINS  
NUMBER OF SEQUENCES: 5  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Incyte Pharmaceuticals, Inc.  
STREET: 3174 Porter Drive  
CITY: Palo Alto  
STATE: CA  
COUNTRY: USA  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/894,526  
FILING DATE: 27-Jun-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/788,584  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Billings, Lucy J.  
REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PF-0192 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-855-0555  
TELEFAX: 415-845-4166  
INFORMATION FOR SEQ ID NO: 5  
SEQUENCE CHARACTERISTICS:  
LENGTH: 145 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: GenBank  
CLONE: 727176  
SEQUENCE DESCRIPTION: SEQ ID NO: 5:  
US-09-894-526-5

```
Query Match          5.6%; Score 20; DB 10; Length 145;
Best Local Similarity 100.0%; Pred. No. 4.9e-12;
Matches 20; Conservative 0; Mismatches 0; Indels

QY   264 IAFHLNPFREDENAVVRNTQI 283
      |||||
Db    54 IAFHLLNPREDENAVVRNTQI 73
```

```

RESULT 12
US-09-263-689-12
; Sequence 12, Application US/09263689
; Patent No. US20020150970A1
; GENERAL INFORMATION:
; APPLICANT: NI, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Ruben, Steven M.
; TITLE OF INVENTION: Galectin 8, 9, 10 and 10SV
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein, & Fox P.L.L.C.
; STREET: 1100 New York Ave., Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30

```

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/263.689  
 FILING DATE:  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/946,914  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Steffe, Eric K.  
 REGISTRATION NUMBER: 36,688  
 REFERENCE/DOCKET NUMBER: 1488.0560001/EKS/SCSW  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 202-371-2600  
 TELEFAX: 202-371-2540  
 INFORMATION FOR SEQ ID NO: 12:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 145 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: not relevant  
 TOPOLOGY: linear  
 MOLECULE TYPE: CDNA  
 US-09-263.689-12

```

Query Match      5.6%   Score 20;   DB 10;   Length 145;
Best Local Similarity 100.0%;   Pred. No. 4.9e-12;
Matches 20;   Conservative 0;   Mismatches 0;   Indels

Qy  264  IAFHLNLPREDENAVVYNTQI  283
      |||||
Db    54  IAFHLNLPREDENAVVYNTQI  73

```

```

RESULT 13
US-09-728-479-11
; Sequence 11, Application US/09728479
; Patent No. US20020034726A1
; GENERAL INFORMATION:
; APPLICANT: KANEGASAKI, SHIRO
; APPLICANT: MATSUMOTO, RYOJI
; APPLICANT: HIRASHIMA, MITSUOMI
; TITLE OF INVENTION: EOSINOPHIL CHEMOTACTIC FACTOR
; FILE REFERENCE: 3914-2
; CURRENT APPLICATION NUMBER: US/09/728,479
; CURRENT FILING DATE: 2001-08-16
; PRIOR APPLICATION NUMBER: PCT/JP99/02952
; PRIOR FILING DATE: 1999-06-02
; PRIOR APPLICATION NUMBER: JP 10/170698
; PRIOR FILING DATE: 1998-06-02
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn ver. 2.1
; SEQ ID NO 11
; LENGTH: 322
; TYPE: PRT
; ORGANISM: Mus sp.
US-09-728-479-11

```

Query Match	3.7%	Score 13	DB 10	Length 322
Best Local Similarity	100.0%	Pred. No.	5.3e-05	
Matches 13	Conservative	0	Mismatches	0
Indels				
Qy	55	GNDAFHENPRFE	67	
Db	54	GNDAFHENPRFE	66	

```

RESULT 14
US-09-263-689-14
; Sequence 14, Application US/09263689
; Patent No. US20020150970A1
; GENERAL INFORMATION:
; APPLICANT: NI, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Ruben, Steven M.

```

Hawkins, Phillip R.  
Petithory, Joanne R.  
TITLE OF INVENTION: NOVEL HUMAN GALECTINS  
NUMBER OF SEQUENCES: 5  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Incyte Pharmaceuticals, Inc.  
STREET: 3174 Porter Drive  
CITY: Palo Alto  
STATE: CA  
COUNTRY: USA  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/894,526  
FILING DATE: 27-Jun-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/788,584  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Billings, Lucy J.  
REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PF-0192 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-855-0555  
TELEFAX: 415-845-4166  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 145 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: GenBank  
CLONE: 727176  
SEQUENCE DESCRIPTION: SEQ ID NO: 5:  
US-09-894-526-5

```

Query Match      5.6%; Score 20; DB 10; Length 145;
Best Local Similarity 100.0%; Pred. No. 4.9e-12;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 264 IAFHLNPFDENAVVRNTQI 283
      |||||
Db 54 IAFHLNPFDENAVVRNTQI 73

```

```

RESULT 12
US-09-263-689-12
; Sequence 12, Application US/09263689
; Patent No. US20020150970A1
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Ruben, Steven M.
; TITLE OF INVENTION: Galectin 8, 9, 10 and 10SV
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein, & Fox P.L.L.C.
; STREET: 1100 New York Ave., Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30

```

;; TITLE OF INVENTION: Galectin 8, 9, 10 and 10SV  
;; NUMBER OF SEQUENCES: 60  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: Sterne, Kessler, Goldstein, & Fox P.L.L.C.  
;; STREET: 1100 New York Ave., Suite 600  
;; CITY: Washington  
;; STATE: D.C.  
;; COUNTRY: USA  
;; ZIP: 20005-3934  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: PatentIn Release #1.0, Version #1.30  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/09/263,689  
;; FILING DATE:  
;; CLASSIFICATION:  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 08/946,914  
;; FILING DATE:  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Steffe, Eric K.  
;; REGISTRATION NUMBER: 36,688  
;; REFERENCE/DOCKET NUMBER: 1488.0560001/EKS/SGW  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: 202-371-2600  
;; TELEFAX: 202-371-2540  
;; INFORMATION FOR SEQ ID NO: 14:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 262 amino acids  
;; TYPE: amino acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: protein  
;; US-09-263-689-14

Query Match 3.4%; Score 12; DB 10; Length 262;  
Best Local Similarity 100.0%; Pred. No. 0.0004;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 55 GNDIAFHNPRF 66  
Db 164 GNDIAFHNPRF 175

## RESULT 15

US-09-975-143-12  
; Sequence 12, Application US/09975143  
; Patent No. US2002015513A1  
; GENERAL INFORMATION:  
; APPLICANT: HSU, Daniel, K.  
; APPLICANT: LIU, Fu-Tong  
; APPLICANT: DOWLING, Christopher, A.  
; TITLE OF INVENTION: GALECTIN EXPRESSION IS INDUCED IN  
; FILE REFERENCE: DANHSU.001C1  
; CURRENT APPLICATION NUMBER: US/09/975,143  
; CURRENT FILING DATE: 2001-10-10  
; PRIOR APPLICATION NUMBER: PCT/US00/08561  
; PRIOR FILING DATE: 2000-03-29  
; NUMBER OF SEQ ID NOS: 47  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 12  
; LENGTH: 39  
; TYPE: PRT  
; ORGANISM: chicken  
; US-09-975-143-12

Query Match 2.8%; Score 10; DB 9; Length 39;  
Best Local Similarity 100.0%; Pred. No. 0.0064;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 57 DIAFHNPRF 66  
Db 22 DIAFHNPRF 31

Search completed: November 24, 2002, 02:34:56  
Job time : 11 secs

GenCore version 5.1.3  
Copyright (c) 1993 - 2002 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: November 24, 2002, 02:25:24 ; Search time 19 Seconds  
(without alignments)  
549.744 Million cell updates/sec

Title: US-09-485-951-2

Perfect score: 355

Sequence: 1 MAFSGSQAPYSPVAFSCT.....LPTINRLEVGDIQLTHVQT 355

Scoring table: OLIGO

Gapop 60.0 , Gapext 60.0

Searched: 262574 seqs, 29422922 residues

Word size: 0

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database:

- Issued\_Patents\_AA:\*
- 1: /cgn2\_6/ptodata/2/iaa/5A\_COMB.pep.\*
  - 2: /cgn2\_6/ptodata/2/iaa/5B\_COMB.pep.\*
  - 3: /cgn2\_6/ptodata/2/iaa/6A\_COMB.pep.\*
  - 4: /cgn2\_6/ptodata/2/iaa/6B\_COMB.pep.\*
  - 5: /cgn2\_6/ptodata/2/iaa/PCIRUS\_COMB.pep.\*
  - 6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	163	45.9	311	3	US-08-946-914-4
2	163	45.9	311	4	US-09-656-450-4
3	69	19.4	145	2	US-08-788-584-1
4	69	19.4	149	2	US-08-788-584-3
5	20	5.6	145	2	US-08-788-584-5
6	20	5.6	145	3	US-08-946-914-12
7	20	5.6	145	4	US-09-656-450-12
8	12	3.4	262	3	US-08-946-914-14
9	12	3.4	262	4	US-09-656-450-14
10	10	2.8	324	3	US-08-946-914-11
11	10	2.8	324	4	US-09-656-450-11
12	10	2.8	336	4	US-09-131-648-1
13	8	2.3	200	3	US-08-946-914-8
14	8	2.3	200	4	US-09-656-450-8
15	8	2.3	250	1	US-08-562-311-2
16	8	2.3	250	3	US-08-946-914-10
17	8	2.3	250	4	US-09-656-450-10
18	8	2.3	264	1	US-08-562-311-4
19	8	2.3	264	2	US-08-728-521-1
20	8	2.3	264	4	US-09-212-146-1
21	8	2.3	316	2	US-08-728-521-3
22	8	2.3	316	2	US-08-647-960-2
23	8	2.3	316	3	US-08-946-914-15
24	8	2.3	316	3	US-08-946-914-17
25	8	2.3	316	4	US-09-131-648-5
26	8	2.3	316	4	US-09-212-146-3
27	8	2.3	316	4	US-09-656-450-15

28	8	2.3	316	4	US-09-656-450-17	Sequence 17, Appl
29	8	2.3	317	3	US-08-946-914-6	Sequence 6, Appl
30	8	2.3	317	4	US-09-656-450-6	Sequence 6, Appl
31	8	2.3	323	1	US-08-469-667-16	Sequence 16, Appl
32	8	2.3	323	3	US-08-946-914-2	Sequence 2, Appl
33	8	2.3	323	4	US-09-224-110-16	Sequence 16, Appl
34	8	2.3	323	4	US-09-656-450-2	Sequence 2, Appl
35	8	2.3	323	5	PCT-US95-07289-16	Sequence 16, Appl
36	7	2.0	147	2	US-08-647-960-7	Sequence 7, Appl
37	7	2.0	345	1	US-08-171-382-6	Sequence 6, Appl
38	7	2.0	345	1	US-08-309-420-6	Sequence 6, Appl
39	7	2.0	345	1	US-08-309-419-6	Sequence 6, Appl
40	7	2.0	345	4	US-09-294-531B-31	Sequence 31, Appl
41	7	2.0	345	5	PCT-US95-11856-6	Sequence 6, Appl
42	7	2.0	345	5	PCT-US95-11878-6	Sequence 6, Appl
43	7	2.0	454	1	US-08-171-382-4	Sequence 4, Appl
44	7	2.0	454	1	US-08-309-420-4	Sequence 4, Appl
45	7	2.0	454	1	US-08-309-419-4	Sequence 4, Appl

ALIGNMENTS

RESULT 1  
US-08-946-914-4  
; Sequence 4, Application US/08946914  
; Patent No. 6027916  
; GENERAL INFORMATION:  
; APPLICANT: Ni, Jian  
; APPLICANT: Gentz, Reiner L.  
; APPLICANT: Ruben, Steven M.  
; TITLE OF INVENTION: Galectin 8, 9, 10 and 10SV  
; NUMBER OF SEQUENCES: 60  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Sterne, Kessler, Goldstein, & Fox P.L.L.C.  
; STREET: 1100 New York Ave., Suite 600  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: USA  
; ZIP: 20005-3934  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA: US/08/946,914  
; APPLICATION NUMBER: US/08/946,914  
; FILING DATE: Herewith  
; CLASSIFICATION: 530  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 60/028,093  
; FILING DATE: 09-OCT-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Steffe, Eric K.  
; REGISTRATION NUMBER: 36,688  
; REFERENCE/DOCKET NUMBER: 1488.0560001/EKS/SCW  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-371-2600  
; TELEFAX: 202-371-2540  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 311 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-946-914-4

Query Match 45.9%; Score 163; DB 3; Length 311;  
Best Local Similarity 100.0%; Pred. No. 4.5e-152;  
Matches 163; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 193 TQTVHTVQSAPGQMFSTPAIPPMYPAYPMPTITTLGLYPSKILLSGTLPSAQ 252  
|||||

Db 149 TQTVIHTVQAPQCMFSTPAIPPMYTHPAYMPFTTILGGLYPSKILLSGTVLPQAQ 208  
QY 253 RFHINLCSGNHIAFLHNPREDENAVRNNTQIDNSWGSEERSLPRKMPFVRGQSFVWILC 312  
Db 209 RFHINLCSGNHIAFLHNPREDENAVRNNTQIDNSWGSEERSLPRKMPFVRGQSFVWILC 268  
QY 313 EAHCLKVAVDQGHLEFYHRLRNLPTINRLEVGGDIQLTHVQT 355  
Db 269 EAHCLKVAVDQGHLEFYHRLRNLPTINRLEVGGDIQLTHVQT 311

RESULT 2  
US-09-656-450-4  
; Sequence 4, Application US/09656450  
; Patent No. 6468768  
; GENERAL INFORMATION:  
; APPLICANT: Ni, Jian  
; APPLICANT: Gentz, Reiner L.  
; APPLICANT: Ruben, Steven M.  
; TITLE OF INVENTION: Galectin 9 and 10SV Polynucleotides  
; FILE REFERENCE: 1488.056003  
; CURRENT APPLICATION NUMBER: US/09/656,450  
; CURRENT FILING DATE: 2000-09-06  
; PRIOR APPLICATION NUMBER: US 09/263,689  
; PRIOR FILING DATE: 1999-03-05  
; PRIOR APPLICATION NUMBER: US 08/946,914  
; PRIOR FILING DATE: 1997-10-09  
; PRIOR APPLICATION NUMBER: US 60/028,093  
; PRIOR FILING DATE: 1996-10-09  
; NUMBER OF SEQ ID NOS: 60  
; SOFTWARE: Patentin version 3.0  
; SEQ ID NO 4  
; LENGTH: 311  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-656-450-4

Query Match 45.9%; Score 163; DB 4; Length 311;  
Best Local Similarity 100.0%; Pred. No. 4.5e-152;  
Matches 163; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 193 TQTVIHTVQAPQCMFSTPAIPPMYTHPAYMPFTTILGGLYPSKILLSGTVLPQAQ 252  
Db 149 TQTVIHTVQAPQCMFSTPAIPPMYTHPAYMPFTTILGGLYPSKILLSGTVLPQAQ 208  
QY 253 RFHINLCSGNHIAFLHNPREDENAVRNNTQIDNSWGSEERSLPRKMPFVRGQSFVWILC 312  
Db 209 RFHINLCSGNHIAFLHNPREDENAVRNNTQIDNSWGSEERSLPRKMPFVRGQSFVWILC 268  
QY 313 EAHCLKVAVDQGHLEFYHRLRNLPTINRLEVGGDIQLTHVQT 355  
Db 269 EAHCLKVAVDQGHLEFYHRLRNLPTINRLEVGGDIQLTHVQT 311

RESULT 3  
US-08-788-584-1  
; Sequence 1, Application US/08788584  
; Patent No. 5837493  
; GENERAL INFORMATION:  
; APPLICANT: Hillman, Jennifer L.  
; APPLICANT: Goli, Surya K.  
; APPLICANT: Bandman, Olga  
; APPLICANT: Hawkins, Phillip R.  
; APPLICANT: Petithory, Joanne R.  
; TITLE OF INVENTION: NOVEL HUMAN GALECTINS  
; NUMBER OF SEQUENCES: 5  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSEQ for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/788,584  
; FILING DATE: Filed Herewith  
; CLASSIFICATION: 436  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Billings, Lucy J.  
; REGISTRATION NUMBER: 36,749  
; REFERENCE/DOCKET NUMBER: PF-0192 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-855-0355  
; TELEFAX: 415-845-4166  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 145 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
US-08-788-584-1

Query Match 19.4%; Score 69; DB 2; Length 145;  
Best Local Similarity 100.0%; Pred. No. 4.1e-60;  
Matches 69; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 287 WGSEERSLPRKMPFVRGQSFVWILCEAHLKVAVDQGHLEFYHRLRNLPTINRLEVGG 346  
Db 77 WGSEERSLPRKMPFVRGQSFVWILCEAHLKVAVDQGHLEFYHRLRNLPTINRLEVGG 136  
QY 347 DIQLTHVQT 355  
Db 137 DIQLTHVQT 145

RESULT 4  
US-08-788-584-3  
; Sequence 3, Application US/08788584  
; Patent No. 5837493  
; GENERAL INFORMATION:  
; APPLICANT: Hillman, Jennifer L.  
; APPLICANT: Goli, Surya K.  
; APPLICANT: Bandman, Olga  
; APPLICANT: Hawkins, Phillip R.  
; APPLICANT: Petithory, Joanne R.  
; TITLE OF INVENTION: NOVEL HUMAN GALECTINS  
; NUMBER OF SEQUENCES: 5  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSEQ for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/788,584  
; FILING DATE: Filed Herewith  
; CLASSIFICATION: 436  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Billings, Lucy J.

```

; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0192 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 149 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
US-08-788-584-3
Query Match 19.4%; Score 69; DB 2; Length 149;
Best Local Similarity 100.0%; Pred. No. 4.2e-50;
Matches 69; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 287 WGSERSLPKMPFVRGQSFVSWILCEAHCLKVAVDQGHLEFYHRLRNLTINRLEVG 346
Db 81 WGSERSLPKMPFVRGQSFVSWILCEAHCLKVAVDQGHLEFYHRLRNLTINRLEVG 140

Qy 347 DIQLTHVQT 355
Db 141 DIQLTHVQT 149

RESULT 5
US-08-788-584-5
; Sequence 5, Application US/08788584
; Patent No. 5837493
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Goli, Surya K.
; APPLICANT: Bandman, Olga
; APPLICANT: Hawkins, Phillip R.
; APPLICANT: Pettithory, Joanne R.
; TITLE OF INVENTION: NOVEL HUMAN GALECTINS
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/788,584
; FILING DATE: Filed Herewith
; CLASSIFICATION: 436
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0192 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 145 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 72716

```

```

US-08-788-584-5
Query Match 5.6%; Score 20; DB 2; Length 145;
Best Local Similarity 100.0%; Pred. No. 5.1e-12;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 264 IAFHLNPRFDENAVVRNTQI 283
Db 54 IAFHLNPRFDENAVVRNTQI 73

RESULT 6
US-08-946-914-12
; Sequence 12, Application US/08946914
; Patent No. 6027916
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Ruben, Steven M.
; TITLE OF INVENTION: Galectin 8, 9, 10 and 10SV
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein, & Fox P.L.L.C.
; STREET: 1100 New York Ave., Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/946,914
; FILING DATE: Herewith
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/028,093
; FILING DATE: 09-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Steffe, Eric K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.0560001/EKS/SGW
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 145 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
;
US-08-946-914-12
Query Match 5.6%; Score 20; DB 3; Length 145;
Best Local Similarity 100.0%; Pred. No. 5.1e-12;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 264 IAFHLNPRFDENAVVRNTQI 283
Db 54 IAFHLNPRFDENAVVRNTQI 73

RESULT 7
US-09-656-450-12
; Sequence 12, Application US/09656450
; Patent No. 6468768
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Ruben, Steven M.

```

;; TITLE OF INVENTION: Galectin 9 and 10SV Polynucleotides  
;; FILE REFERENCE: 1488.0560003  
;; CURRENT APPLICATION NUMBER: US/09/656,450  
;; CURRENT FILING DATE: 2000-09-06  
;; PRIOR APPLICATION NUMBER: US 09/263,689  
;; PRIOR FILING DATE: 1999-03-05  
;; PRIOR APPLICATION NUMBER: US 08/946,914  
;; PRIOR FILING DATE: 1997-10-09  
;; PRIOR APPLICATION NUMBER: US 60/028,093  
;; PRIOR FILING DATE: 1996-10-09  
;; NUMBER OF SEQ ID NOS: 60  
;; SOFTWARE: PatentIn version 3.0  
;; SEQ ID NO 12  
;; LENGTH: 145  
;; TYPE: PRT  
;; ORGANISM: Rat  
US-09-656-450-12

Query Match 5.6%; Score 20; DB 4; Length 145;  
Best Local Similarity 100.0%; Pred. No. 5.1e-12;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 264 IAEHLNPRFENAVVRNTQI 283  
Db 54 IAEHLNPRFENAVVRNTQI 73

RESULT 8  
US-08-946-914-14  
;; Sequence 14, Application US/08946914  
;; Patent No. 6027916  
;; GENERAL INFORMATION:  
;; APPLICANT: Ni, Jian  
;; APPLICANT: Gentz, Reiner L.  
;; APPLICANT: Ruben, Steven M.  
;; TITLE OF INVENTION: Galectin 8, 9, 10 and 10SV  
;; NUMBER OF SEQUENCES: 60  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: Sterne, Kessler, Goldstein, & Fox P.L.L.C.  
;; STREET: 1100 New York Ave., Suite 600  
;; CITY: Washington  
;; STATE: D.C.  
;; COUNTRY: USA  
;; ZIP: 20005-3934  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: PatentIn Release #1.0, Version #1.30  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/946,914  
;; FILING DATE: Herewith  
;; CLASSIFICATION: 530  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: US 60/028,093  
;; FILING DATE: 09-OCT-1996  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Steffe, Eric K.  
;; REGISTRATION NUMBER: 36,688  
;; REFERENCE/DOCKET NUMBER: 1488.0560001/EKS/SGW  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: 202-371-2600  
;; TELEFAX: 202-371-2540  
;; INFORMATION FOR SEQ ID NO: 14:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 262 amino acids  
;; TYPE: amino acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: protein  
US-08-946-914-14

Query Match 3.4%; Score 12; DB 3; Length 262;

Best Local Similarity 100.0%; Pred. No. 0.00064;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 55 GNDIAFHNPFRF 66  
Db 164 GNDIAFHNPFRF 175

RESULT 9  
US-09-656-450-14  
;; Sequence 14, Application US/09656450  
;; Patent No. 6468768  
;; GENERAL INFORMATION:  
;; APPLICANT: Ni, Jian  
;; APPLICANT: Gentz, Reiner L.  
;; APPLICANT: Ruben, Steven M.  
;; TITLE OF INVENTION: Galectin 9 and 10SV Polynucleotides  
;; FILE REFERENCE: 1488.0560003  
;; CURRENT APPLICATION NUMBER: US/09/656,450  
;; CURRENT FILING DATE: 2000-09-06  
;; PRIOR APPLICATION NUMBER: US 09/263,689  
;; PRIOR FILING DATE: 1999-03-05  
;; PRIOR APPLICATION NUMBER: US 08/946,914  
;; PRIOR FILING DATE: 1997-10-09  
;; PRIOR APPLICATION NUMBER: US 60/028,093  
;; PRIOR FILING DATE: 1996-10-09  
;; NUMBER OF SEQ ID NOS: 60  
;; SOFTWARE: PatentIn version 3.0  
;; SEQ ID NO 14  
;; LENGTH: 262  
;; TYPE: PRT  
;; ORGANISM: Rat  
US-09-656-450-14

Query Match 3.4%; Score 12; DB 4; Length 262;  
Best Local Similarity 100.0%; Pred. No. 0.00064;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 55 GNDIAFHNPFRF 66  
Db 164 GNDIAFHNPFRF 175

RESULT 10  
US-08-946-914-11  
;; Sequence 11, Application US/08946914  
;; Patent No. 6027916  
;; GENERAL INFORMATION:  
;; APPLICANT: Ni, Jian  
;; APPLICANT: Gentz, Reiner L.  
;; APPLICANT: Ruben, Steven M.  
;; TITLE OF INVENTION: Galectin 8, 9, 10 and 10SV  
;; NUMBER OF SEQUENCES: 60  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: Sterne, Kessler, Goldstein, & Fox P.L.L.C.  
;; STREET: 1100 New York Ave., Suite 600  
;; CITY: Washington  
;; STATE: D.C.  
;; COUNTRY: USA  
;; ZIP: 20005-3934  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: PatentIn Release #1.0, Version #1.30  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/946,914  
;; FILING DATE: Herewith  
;; CLASSIFICATION: 530  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: US 60/028,093  
;; FILING DATE: 09-OCT-1996  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Steffe, Eric K.  
;; REGISTRATION NUMBER: 36,688  
;; REFERENCE/DOCKET NUMBER: 1488.0560001/EKS/SGW  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: 202-371-2600  
;; TELEFAX: 202-371-2540  
;; INFORMATION FOR SEQ ID NO: 14:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 262 amino acids  
;; TYPE: amino acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: protein  
US-08-946-914-11

Query Match 3.4%; Score 12; DB 3; Length 262;



```
; NAME: Steffe, Eric K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.0560001/EKS/SGW
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 324 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-946-914-11

Query Match      2.8%; Score 10; DB 3; Length 324;
Best Local Similarity 100.0%; Pred. No. 0.071;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 57 DIAFHNPFRF 66
Db 59 DIAFHNPFRF 68

RESULT 11
US-09-656-450-11
; Sequence 11, Application US/09656450
; Patent No. 6468768
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Ruben, Steven M.
; TITLE OF INVENTION: Galectin 9 and 10SV Polynucleotides
; FILE REFERENCE: 1488.0560003
; CURRENT APPLICATION NUMBER: US/09/656.450
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: US 09/263,689
; PRIOR FILING DATE: 1999-03-05
; PRIOR APPLICATION NUMBER: US 08/946,914
; PRIOR FILING DATE: 1997-10-09
; PRIOR APPLICATION NUMBER: US 60/028,093
; PRIOR FILING DATE: 1996-10-09
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 11
; LENGTH: 324
; TYPE: PRT
; ORGANISM: Rat
; US-09-656-450-11

Query Match      2.8%; Score 10; DB 4; Length 324;
Best Local Similarity 100.0%; Pred. No. 0.071;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 57 DIAFHNPFRF 66
Db 59 DIAFHNPFRF 68

RESULT 12
US-09-131-648-1
; Sequence 1, Application US/09131648
; Patent No. 6168920
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Patterson, Chandra
; TITLE OF INVENTION: EXTRACELLULAR ADHESIVE PROTEINS
; FILE REFERENCE: PF-0576 US
; CURRENT APPLICATION NUMBER: US/09/131.648
; CURRENT FILING DATE: 1998-08-10
```

```
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PERL Program
; SEQ ID NO 1
; LENGTH: 336
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE: -
; OTHER INFORMATION: 2635136
; US-09-131-648-1

Query Match      2.8%; Score 10; DB 4; Length 336;
Best Local Similarity 100.0%; Pred. No. 0.074;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 57 DIAFHNPFRF 66
Db 91 DIAFHNPFRF 100

RESULT 13
US-08-946-914-8
; Sequence 8, Application US/08946914
; Patent No. 6027916
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Ruben, Steven M.
; TITLE OF INVENTION: Galectin 8, 9, 10 and 10SV
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Steine, Kessler, Goldstein, & Fox P.L.L.C.
; STREET: 1100 New York Ave., Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/946.914
; FILING DATE: Herewith
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/028,093
; FILING DATE: 09-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Steffe, Eric K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.0560001/EKS/SGW
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 200 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-946-914-8

Query Match      2.3%; Score 8; DB 3; Length 200;
Best Local Similarity 100.0%; Pred. No. 4.2;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 59 AFHFNPRF 66
Db 63 AFHFNPRF 70

RESULT 14
```

US-09-656-450-8  
; Sequence 8, Application US/09656450  
; Patent No. 6468768  
; GENERAL INFORMATION:  
; APPLICANT: Ni, Jian  
; APPLICANT: Gentz, Reiner L.  
; APPLICANT: Ruben, Steven M.  
; TITLE OF INVENTION: Galectin 9 and 10SV Polynucleotides  
; FILE REFERENCE: 1488.0560003  
; CURRENT APPLICATION NUMBER: US/09/656,450  
; CURRENT FILING DATE: 2000-09-06  
; PRIOR APPLICATION NUMBER: US 09/263,689  
; PRIOR FILING DATE: 1999-03-05  
; PRIOR APPLICATION NUMBER: US 08/946,914  
; PRIOR FILING DATE: 1997-10-09  
; PRIOR APPLICATION NUMBER: US 60/028,093  
; PRIOR FILING DATE: 1996-10-09  
; NUMBER OF SEQ ID NOS: 60  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 8  
; LENGTH: 200  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-656-450-8

Query Match 2.3%; Score 8; DB 4; Length 200;  
Best Local Similarity 100.0%; Pred. No. 4.2;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 59 AFHFNPFR 66  
Db 63 AFHFNPFR 70

RESULT 15  
US-08-562-311-2  
; Sequence 2, Application US/08562311  
; Patent No. 5801002  
; GENERAL INFORMATION:  
; APPLICANT: RAZ, AVRAHAM  
; TITLE OF INVENTION: A METHOD OF DETERMINING THE PROBABILITY  
; OF METASTASIS IN A CELL SAMPLE  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Dykema Gossett  
; STREET: STE 505 N. Woodward  
; CITY: Bloomfield Hills  
; STATE: MI  
; COUNTRY: U.S.  
; ZIP: 48304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/562,311  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/188,225  
; FILING DATE:  
; APPLICATION NUMBER: US 07/681,242  
; FILING DATE: 04-APR-1991  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/294,249  
; FILING DATE: 01-JUN-1989  
; ATTORNEY/AGENT INFORMATION:  
; NAME: KELLY, ROBERT L.  
; REGISTRATION NUMBER: 31,843  
; REFERENCE/DOCKET NUMBER: 61,686-  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 810-540-0849

; TELEFAX: 810-540-0763  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 250 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-562-311-2

Query Match 2.3%; Score 8; DB 1; Length 250;  
Best Local Similarity 100.0%; Pred. No. 5.1;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 59 AFHFNPFR 66  
Db 156 AFHFNPFR 163

Search completed: November 24, 2002, 02:31:33  
Job time : 20 secs

GenCore version 5.1.3  
Copyright (c) 1993 - 2002 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: November 24, 2002, 02:24:44 ; Search time 15.5943 Seconds  
(without alignments)  
356.529 Million cell updates/sec

Title: us-09-485-951-2  
Perfect score: 1917  
Sequence: 1 MAFSGSQAPYLSPAVPFSGT.....LPTINRLEVGGDIQLTHVQT 355

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 100480 seqs, 15661496 residues

Total number of hits satisfying chosen parameters: 100480

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : PublishedApplications\_AA:\*

1: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*  
2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*  
4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*  
5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*  
6: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*  
7: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*  
8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*  
9: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep.\*  
10: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep.\*  
11: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*  
12: /cgn2\_6/ptodata/1/pubpaa/US10\_PUBCOMB.pep.\*  
13: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*  
14: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1917	100.0	378	10	US-09-738-973-439
2	1707	89.0	323	10	US-09-728-479-2
3	1687	88.0	323	10	US-09-728-479-12
4	1633	85.2	311	10	US-09-263-689-4
5	1219.5	63.6	322	10	US-09-728-479-11
6	846	44.1	168	10	US-09-922-217-199
7	846	44.1	168	10	US-09-833-263-199
8	783	40.8	149	10	US-09-894-526-3
9	661	34.5	145	10	US-09-894-526-1
10	603.5	31.5	324	10	US-09-728-479-7
11	603.5	31.5	324	10	US-09-263-689-11
12	574	29.9	323	9	US-09-981-353-110
13	574	29.9	323	10	US-09-802-674-2
14	574	29.9	323	10	US-09-922-217-1064
15	574	29.9	323	10	US-09-833-263-1064
16	574	29.9	323	10	US-09-263-689-2
17	574	29.9	329	10	US-09-802-674-13
18	535	27.9	145	10	US-09-728-479-8
19	535	27.9	145	10	US-09-894-526-5

20	535	27.9	145	10	US-09-263-689-12	Sequence 12, Appl
21	472.5	24.6	316	10	US-09-747-804-5	Sequence 5, Appl
22	471.5	24.6	317	10	US-09-263-689-6	Sequence 6, Appl
23	455.5	23.8	315	10	US-09-728-479-10	Sequence 10, Appl
24	454.5	23.7	316	10	US-09-263-689-15	Sequence 15, Appl
25	454.5	23.7	316	10	US-09-263-689-17	Sequence 17, Appl
26	323	16.8	97	10	US-09-925-301-1437	Sequence 1437, Ap
27	321.5	16.8	336	10	US-09-747-804-1	Sequence 1, Appl
28	321	16.7	262	10	US-09-263-689-14	Sequence 14, Appl
29	318.5	16.6	250	9	US-09-981-353-127	Sequence 127, App
30	318.5	16.6	250	10	US-09-263-689-10	Sequence 10, Appl
31	284.5	14.8	149	10	US-09-728-479-6	Sequence 6, Appl
32	255	13.3	200	10	US-09-263-689-8	Sequence 8, Appl
33	230.5	12.0	136	10	US-09-728-479-9	Sequence 9, Appl
34	230.5	12.0	136	10	US-09-263-689-13	Sequence 13, Appl
35	220.5	11.5	196	10	US-09-768-826-55	Sequence 55, Appl
36	195.5	10.2	125	10	US-09-768-826-36	Sequence 36, Appl
37	178.5	9.3	139	9	US-09-949-842-15	Sequence 15, Appl
38	174	9.1	175	9	US-09-860-670-98	Sequence 98, Appl
39	174	9.1	175	10	US-09-764-903-37	Sequence 37, Appl
40	154	8.0	135	10	US-09-728-479-4	Sequence 4, Appl
41	154	8.0	135	10	US-09-919-497-81	Sequence 81, Appl
42	154	8.0	135	10	US-09-919-172-91	Sequence 91, Appl
43	154	8.0	135	10	US-09-263-689-16	Sequence 16, Appl
44	140.5	7.3	69	10	US-09-738-973-76	Sequence 76, Appl
45	140	7.3	45	9	US-09-975-143-20	Sequence 20, Appl

ALIGNMENTS

RESULT 1  
US-09-738-973-439  
; Sequence 439, Application US/09738973  
; Patent No. US20020110563A1  
; GENERAL INFORMATION:  
; APPLICANT: Reed, Steven G.  
; APPLICANT: Henderson, Robert A.  
; APPLICANT: Lodes, Michael J.  
; APPLICANT: Fling, Steven P.  
; APPLICANT: Mohamath, Raodoh  
; APPLICANT: Algate, Paul A.  
; APPLICANT: Secrist, Heather  
; APPLICANT: Indirias, Carol Yoseph  
; APPLICANT: Benson, Darin R.  
; APPLICANT: Elliot, Mark  
; APPLICANT: Mannion, Jane  
; APPLICANT: Kalos, Michael D.  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR  
; FILE REFERENCE: THE THERAPY AND DIAGNOSIS OF LUNG CANCER  
; FILE REFERENCE: 210121.475C9  
; CURRENT APPLICATION NUMBER: US/09738,973  
; CURRENT FILING DATE: 2000-12-14  
; NUMBER OF SEQ ID NOS: 587  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 439  
; LENGTH: 378  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-738-973-439

Query Match 100.0%; Score 1917; DB 10; Length 378;  
Best Local Similarity 100.0%; Pred. No. 4.6e-158;  
Matches 355; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	MAFSGSQAPYLSPAVPFSGTIGGQLDGLQITVNGTVLSSSGTRFAVNFQTFSGNDIAF	60
Db	24	MAFSGSQAPYLSPAVPFSGTIGGQLDGLQITVNGTVLSSSGTRFAVNFQTFSGNDIAF	83
Qy	61	HFNPRFDGGYVNCNTRQNGSWGPFERKTHMPFQKGMPPFDLCFLVQSSDFKVMNGILFV	120
Db	84	HFNPRFDGGYVNCNTRQNGSWGPFERKTHMPFQKGMPPFDLCFLVQSSDFKVMNGILFV	143

QY 121 QYFHRVPFHRVDTISVNGSVQLSYISFQNPRTVPVQAFSTVPFSPQVCFPPRPRGRROK 180  
Db 144 QYFHRVPFHRVDTISVNGSVQLSYISFQNPRTVPVQAFSTVPFSPQVCFPPRPRGRROK 203  
QY 181 PGVWPANPAPITQTVIHVTVQSPAGQMFSTPAIPPMYHPAYPMPFITILGGLYPSKS 240  
Db 204 PGVWPANPAPITQTVIHVTVQSPAGQMFSTPAIPPMYHPAYPMPFITILGGLYPSKS 263  
QY 241 ILLSGTVLPSAQRFHINLCSGNHIAFLNPRFDENAVVNTQIDNSWGSEERSLPRKMPF 300  
Db 264 ILLSGTVLPSAQRFHINLCSGNHIAFLNPRFDENAVVNTQIDNSWGSEERSLPRKMPF 323  
QY 301 VRQGSFVWLCEAHLCKVAVDQHLFEYHRLNRLPTINRLEVGGDIQIETHVQT 355  
Db 324 VRQGSFVWLCEAHLCKVAVDQHLFEYHRLNRLPTINRLEVGGDIQIETHVQT 378

## RESULT 2

US-09-728-479-2  
; Sequence 2, Application US/09728479  
; Patent No. US20020034726A1  
; GENERAL INFORMATION:  
; APPLICANT: KANEKASAKI, SHIRO  
; APPLICANT: MATSUMOTO, RYOJI  
; APPLICANT: HIRASHIMA, MITSUOMI  
; TITLE OF INVENTION: EOSINOPHIL CHEMOTACTIC FACTOR  
; FILE REFERENCE: 3914-2  
; CURRENT APPLICATION NUMBER: US/09/728,479  
; PRIOR FILING DATE: 2001-08-16  
; PRIOR APPLICATION NUMBER: PCT/JP99/02952  
; PRIOR FILING DATE: 1999-06-02  
; PRIOR APPLICATION NUMBER: JP 10/170698  
; NUMBER OF SEQ ID NOS: 12  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 2  
; LENGTH: 323  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-728-479-2

Query Match 89.0%; Score 1707; DB 10; Length 323;  
Best Local Similarity 90.7%; Pred. No. 4.9e-140;  
Matches 322; Conservative 0; Mismatches 1; Indels 32; Gaps 1;

QY 1 MAFSSQAPYLSPAVPFSGTIOGGLQDGLQITVNGTVLSSGTRFAVNFQTFSGNDIAF 60  
Db 1 MAFSSQAPYLSPAVPFSGTIOGGLQDGLQITVNGTVLSSGTRFAVNFQTFSGNDIAF 60  
QY 61 HFNPRFEDGGYVVCNTRQNSWGSPERKTHMPFQKMPDLCFLVQSSDFKVMVNGILFV 120  
Db 61 HFNPRFEDGGYVVCNTRQNSWGSPERKTHMPFQKMPDLCFLVQSSDFKVMVNGILFV 120  
QY 121 QYFHRVPFHRVDTISVNGSVQLSYISFQNPRTVPVQAFSTVPFSPQVCFPPRPRGRROK 180  
Db 121 QYFHRVPFHRVDTISVNGSVQLSYISFQNPRTVPVQAFSTVPFSPQVCFPPRPRGRROK 148  
QY 181 PGVWPANPAPITQTVIHVTVQSPAGQMFSTPAIPPMYHPAYPMPFITILGGLYPSKS 240  
Db 149 PGVWPANPAPITQTVIHVTVQSPAGQMFSTPAIPPMYHPAYPMPFITILGGLYPSKS 208  
QY 241 ILLSGTVLPSAQRFHINLCSGNHIAFLNPRFDENAVVNTQIDNSWGSEERSLPRKMPF 300  
Db 209 ILLSGTVLPSAQRFHINLCSGNHIAFLNPRFDENAVVNTQIDNSWGSEERSLPRKMPF 268  
QY 301 VRQGSFVWLCEAHLCKVAVDQHLFEYHRLNRLPTINRLEVGGDIQIETHVQT 355  
Db 269 VRQGSFVWLCEAHLCKVAVDQHLFEYHRLNRLPTINRLEVGGDIQIETHVQT 323

## RESULT 3

US-09-728-479-12  
; Sequence 12, Application US/09728479

; Patent No. US20020034726A1  
; GENERAL INFORMATION:  
; APPLICANT: KANEKASAKI, SHIRO  
; APPLICANT: MATSUMOTO, RYOJI  
; APPLICANT: HIRASHIMA, MITSUOMI  
; TITLE OF INVENTION: EOSINOPHIL CHEMOTACTIC FACTOR  
; FILE REFERENCE: 3914-2  
; CURRENT APPLICATION NUMBER: US/09/728,479  
; PRIOR FILING DATE: 2001-08-16  
; PRIOR APPLICATION NUMBER: PCT/JP99/02952  
; PRIOR FILING DATE: 1999-06-02  
; PRIOR APPLICATION NUMBER: JP 10/170698  
; NUMBER OF SEQ ID NOS: 12  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 12  
; LENGTH: 323  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-728-479-12

Query Match 88.0%; Score 1687; DB 10; Length 323;  
Best Local Similarity 89.9%; Pred. No. 2.6e-138;  
Matches 319; Conservative 1; Mismatches 3; Indels 32; Gaps 1;  
QY 1 MAFSSQAPYLSPAVPFSGTIOGGLQDGLQITVNGTVLSSGTRFAVNFQTFSGNDIAF 60  
Db 1 MAFSSQAPYLSPAVPFSGTIOGGLQDGLQITVNGTVLSSGTRFAVNFQTFSGNDIAF 60  
QY 61 HFNPRFEDGGYVVCNTRQNSWGSPERKTHMPFQKMPDLCFLVQSSDFKVMVNGILFV 120  
Db 61 HFNPRFEDGGYVVCNTRQNSWGSPERKTHMPFQKMPDLCFLVQSSDFKVMVNGILFV 120  
QY 121 QYFHRVPFHRVDTISVNGSVQLSYISFQNPRTVPVQAFSTVPFSPQVCFPPRPRGRROK 180  
Db 121 QYFHRVPFHRVDTISVNGSVQLSYISFQNPRTVPVQAFSTVPFSPQVCFPPRPRGRROK 148  
QY 181 PGVWPANPAPITQTVIHVTVQSPAGQMFSTPAIPPMYHPAYPMPFITILGGLYPSKS 240  
Db 149 PGVWPANPAPITQTVIHVTVQSPAGQMFSTPAIPPMYHPAYPMPFITILGGLYPSKS 208  
QY 241 ILLSGTVLPSAQRFHINLCSGNHIAFLNPRFDENAVVNTQIDNSWGSEERSLPRKMPF 300  
Db 209 ILLSGTVLPSAQRFHINLCSGNHIAFLNPRFDENAVVNTQIDNSWGSEERSLPRKMPF 268  
QY 301 VRQGSFVWLCEAHLCKVAVDQHLFEYHRLNRLPTINRLEVGGDIQIETHVQT 355  
Db 269 VRQGSFVWLCEAHLCKVAVDQHLFEYHRLNRLPTINRLEVGGDIQIETHVQT 323

## RESULT 4

US-09-263-689-4  
; Sequence 4, Application US/09263689  
; Patent No. US20020150970A1  
; GENERAL INFORMATION:  
; APPLICANT: Ni, Jian  
; APPLICANT: Gentz, Reiner L.  
; APPLICANT: Ruben, Steven M.  
; TITLE OF INVENTION: Galectin 8, 9, 10 and 10SV  
; NUMBER OF SEQUENCES: 60  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Sterne, Kessler, Goldstein, & Fox P.L.L.C.  
; STREET: 1100 New York Ave., Suite 600  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: USA  
; ZIP: 20005-3934  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/263,689  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/946,914  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Steffe, Eric K.  
REGISTRATION NUMBER: 36,688  
REFERENCE/DOCKET NUMBER: 1488.0560001/EKS/SGW  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-371-2600  
TELEFAX: 202-371-2540  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 311 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-263-689-4

Query Match 85.2%; Score 1633; DB 10; Length 311;  
Best Local Similarity 87.6%; Pred. No. 1.1e-133;  
Matches 311; Conservative 0; Mismatches 0; Indels 44; Gaps 1;  
QY 1 MAFSGSQAPYLSPAVPFSGTIQGGLOGLQITVNGTVLSSSGTRFAVNFQTFGSGNDIAF 60  
Db 1 MAFSGSQAPYLSPAVPFSGTIQGGLOGLQITVNGTVLSSSGTRFAVNFQTFGSGNDIAF 60  
QY 61 HFNPRFEDGGYVVCNTRQNSWGPEERKTHMPFQKGMPPDCLFLVQSSDFKVMVNGILFV 120  
Db 61 HFNPRFEDGGYVVCNTRQNSWGPEERKTHMPFQKGMPPDCLFLVQSSDFKVMVNGILFV 120  
QY 121 QYHVRVPFHRVDTISVNGSVQLSVISFQNPRTVPVQPAFSTVPFSPQVCPFPPRGRROK 180  
Db 121 QYHVRVPFHRVDTISVNGSVQLSVISFQNPRTVPVQPAFSTVPFSPQVCPFPPRGRROK 180  
QY 181 PPGVWPANPAPITQTVIHTVQSAQGMFSTPAIPPMYPHPAYPMPFITTTILGLGLYPSKS 240  
Db 149 -----TQTVIHTVQSAQGMFSTPAIPPMYPHPAYPMPFITTTILGLGLYPSKS 196  
QY 241 ILLSGTVLPSAQRPHINLCNHNIAFHLPNPRFDENAVVRNTQIDNSWGSEERSLPRKMPF 300  
Db 197 ILLSGTVLPSAQRPHINLCNHNIAFHLPNPRFDENAVVRNTQIDNSWGSEERSLPRKMPF 256  
QY 301 VRGQSFVSWILCEAHCLKVAVDGOHLFEYHRLNRLPTINRLEVGDDIQLTHVQT 355  
Db 257 VRGQSFVSWILCEAHCLKVAVDGOHLFEYHRLNRLPTINRLEVGDDIQLTHVQT 311

RESULT 5  
US-09-728-479-11  
Sequence 11, Application US/09728479  
Patent No. US20020034726A1  
GENERAL INFORMATION:  
APPLICANT: KANEGASAKI, SHIRO  
APPLICANT: MATSUMOTO, RYOJI  
APPLICANT: HIRASHIMA, MITSUMI  
TITLE OF INVENTION: EOSINOPHIL CHEMOTACTIC FACTOR  
FILE REFERENCE: 3914-2  
CURRENT APPLICATION NUMBER: US/09/728,479  
CURRENT FILING DATE: 2001-08-16  
PRIOR APPLICATION NUMBER: PCT/JP99/02952  
PRIOR FILING DATE: 1999-06-02  
PRIOR APPLICATION NUMBER: JP 10/170698  
PRIOR FILING DATE: 1998-06-02  
NUMBER OF SEQ ID NOS: 12  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 11  
LENGTH: 322  
TYPE: PRT  
ORGANISM: Mus sp.  
US-09-728-479-11

Query Match 63.6%; Score 1219.5; DB 10; Length 322;  
Best Local Similarity 65.1%; Pred. No. 5.7e-98;  
Matches 231; Conservative 34; Mismatches 57; Indels 33; Gaps 3;  
QY 1 MAFSGSQAPYLSPAVPFSGTIQGGLOGLQITVNGTVLSSSGTRFAVNFQTFGSGNDIAF 60  
Db 1 MALFSAQSPYINPIPTGPIQGGLOGLQITVNGTVLSSSGTRFAVNFQTFGSGNDIAF 59  
QY 61 HFNPRFEDGGYVVCNTRQNSWGPEERKTHMPFQKGMPPDCLFLVQSSDFKVMVNGILFV 120  
Db 60 HFNPRFEDGGYVVCNTRQNSWGPEERKTHMPFQKGMPPDCLFLVQSSDFKVMVNGILFV 119  
QY 121 QYHVRVPFHRVDTISVNGSVQLSVISFQNPRTVPVQPAFSTVPFSPQVCPFPPRGRROK 180  
Db 120 QYHVRVPFHRVDTISVNGSVQLSVISFQNPRTVPVQPAFSTVPFSPQVCPFPPRGRROK 152  
QY 181 PPGVWPANPAPITQTVIHTVQSAQGMFSTPAIPPMYPHPAYPMPFITTTILGLGLYPSKS 240  
Db 153 -----PAHQAPMAQTTIHMVHSTFCQMFSTPGIPVVPYPTPAYTIPYTPINPGLYPSKS 207  
QY 241 ILLSGTVLPSAQRPHINLCNHNIAFHLPNPRFDENAVVRNTQIDNSWGSEERSLPRKMPF 300  
Db 208 IMLSGNVLDPATRFHNLRCGGDIAFHLPNPRFDENAVVRNTQIDNSWGSEERSLGRMPF 267  
QY 301 VRGQSFVSWILCEAHCLKVAVDGOHLFEYHRLNRLPTINRLEVGDDIQLTHVQT 355  
Db 268 VRGQSFVSWIICEGHCFKAVVNGQHMCEYHRLKNLQDINTLEVAGDIQLTHVQT 322  
RESULT 6  
US-09-922-217-199  
Sequence 199, Application US/09922217  
Patent No. US20020076414A1  
GENERAL INFORMATION:  
APPLICANT: Xu, JIANGCHUN  
APPLICANT: Lodes, Michael J.  
APPLICANT: Secrist, Heather  
APPLICANT: Benson, Darin R.  
APPLICANT: Meagher, Madeleine Joy  
APPLICANT: Stolk, John A.  
APPLICANT: Wang, Tongtong  
APPLICANT: Jiang, Yugu  
APPLICANT: Smith, Carole Lynn  
APPLICANT: King, Gordon E.  
APPLICANT: Wang, Aijun  
APPLICANT: Clapper, Jonathan D.  
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS  
FILE REFERENCE: 210121.471C13  
CURRENT APPLICATION NUMBER: US/09/922.217  
CURRENT FILING DATE: 2001-08-03  
NUMBER OF SEQ ID NOS: 1124  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 199  
LENGTH: 168  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-922-217-199  
Query Match 44.1%; Score 846; DB 10; Length 168;  
Best Local Similarity 83.5%; Pred. No. 4.1e-66;  
Matches 162; Conservative 0; Mismatches 0; Indels 32; Gaps 1;  
QY 1 MAFSGSQAPYLSPAVPFSGTIQGGLOGLQITVNGTVLSSSGTRFAVNFQTFGSGNDIAF 60  
Db 7 MAFSGSQAPYLSPAVPFSGTIQGGLOGLQITVNGTVLSSSGTRFAVNFQTFGSGNDIAF 66  
QY 61 HFNPRFEDGGYVVCNTRQNSWGPEERKTHMPFQKGMPPDCLFLVQSSDFKVMVNGILFV 120  
Db 67 HFNPRFEDGGYVVCNTRQNSWGPEERKTHMPFQKGMPPDCLFLVQSSDFKVMVNGILFV 126  
QY 121 QYHVRVPFHRVDTISVNGSVQLSVISFQNPRTVPVQPAFSTVPFSPQVCPFPPRGRROK 180

```
Db 127 QYEHVPFHRVDTSVNGSVQLSYISFQ----- 154
QY 181 PGGWPNAPITQ 194
Db 155 PGGWPNAPITQ 168

RESULT 7
US-09-833-263-199
; Sequence 199, Application US/09833263
; Patent No. US20020110547A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Stolk, John A.
; APPLICANT: Meagher, Madeleine J.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C12
; CURRENT APPLICATION NUMBER: US/09/833,263
; CURRENT FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 199
; LENGTH: 168
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-833-263-199

Query Match 44.1%; Score 846; DB 10; Length 168;
Best Local Similarity 83.5%; Pred. No. 4.1e-66;
Matches 162; Conservative 0; Mismatches 0; Indels 32; Gaps 1;

QY 1 MAFSGSOAPVLSPAVPSGTIOGLOGDGLQITVNGTVLSSSGTRFAVNFQTGFSGNDIAF 60
Db 7 MAFSGSOAPVLSPAVPSGTIOGLOGDGLQITVNGTVLSSSGTRFAVNFQTGFSGNDIAF 66
QY 61 HFNPRFEDGGYVVCNTRQNSWGPEERKTHMPQKGMFDLCLFVLOSSDFKVMVNGILFV 120
Db 67 HFNPRFEDGGYVVCNTRQNSWGPEERKTHMPQKGMFDLCLFVLOSSDFKVMVNGILFV 126
QY 121 QYEHVPFHRVDTSVNGSVQLSYISFQFONPRTVPQPAFSTVPFSQVCFPPRPRRRQK 180
Db 127 QYEHVPFHRVDTSVNGSVQLSYISFQ----- 154

QY 181 PGGWPNAPITQ 194
Db 155 PGGWPNAPITQ 168

RESULT 8
US-09-894-526-3
; Sequence 3, Application US/09894526
; Patent No. US20020127689A1
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; Goli, Surya K.
; Bandman, Olga
; Hawkins, Phillip R.
; Petithory, Joanne R.
; TITLE OF INVENTION: NOVEL HUMAN GALECTINS
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/894,526
; FILING DATE: 27-Jun-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION NUMBER: 08/788,584
; FILING DATE: <Unknown>
```

```
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/894,526
; FILING DATE: 27-Jun-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/788,584
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0192 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 149 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-894-526-3

Query Match 40.8%; Score 783; DB 10; Length 149;
Best Local Similarity 97.3%; Pred. No. 9.5e-61;
Matches 145; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 207 MFSTPAIPPMYPHPAYPMPPFTITLGGLYPSKSILLSGTVLPSAQRHNLCSGNHIAF 266
Db 1 MFSTXGIPPMYPHPGYPMPFTITLGGLYPSKSILLSGTVLPSAQRHNLCSGNHIAF 60
QY 267 HLNPRFEDNAVVRNTQIDNSWGEERSLPRKMPFVRGQSFVSWILCEAHCLKVAVDQHL 326
Db 61 HLNPRFEDNAVVRNTQIDNFWGSEERSLPRKMPFVRGQSFVSWILCEAHCLKVAVDQHL 120
QY 327 FEYHHLRLNLPINRLEVGGDIQLTHVQT 355
Db 121 FEYHHLRLNLPINRLEVGGDIQLTHVQT 149

RESULT 9
US-09-894-526-1
; Sequence 1, Application US/09894526
; Patent No. US20020127689A1
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; Goli, Surya K.
; Bandman, Olga
; Hawkins, Phillip R.
; Petithory, Joanne R.
; TITLE OF INVENTION: NOVEL HUMAN GALECTINS
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/894,526
; FILING DATE: 27-Jun-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION NUMBER: 08/788,584
; FILING DATE: <Unknown>
```







Query Match 29.9%; Score 574; DB 10; Length 323;  
Best Local Similarity 38.2%; Pred. No. 2.8e-42;  
Matches 134; Conservative 52; Mismatches 121; Indels 44; Gaps 10;  
QY 9 PYLSPAVPESSTIGGLQDGLQITVNGTIVLSSSGTFAVNFQTFGS-GNDIAFHFNPRFE 67  
DB 11 PTYNPTLPYYQPIPGGLNVGMSVYIQG-VASEHMKRFFVNFVVGQDPGSDVAFHFNPRFD 69  
QY 68 DGGYVVCNTRQNGSWGPEERKTHMPFGKMPFDLCFLVQSSDFKVMVNGILFVQYFHRVP 127  
DB 70 GWDKVVNTLQGGKNGSEERKSRMPFKKGAFAFELFVLAEHYKVVVNGNPFVEYGHRLP 129  
QY 128 FHRVDTISVNGSVQLSVISFONPRTVPVQPAFSTVPFSQPCPPRPRGRQRKPPGVWPA 187  
DB 130 LQWVTHLQVQDGLQLOQINFQGG-----PLRPQG-----PPMMP 165  
QY 188 NPAPITQTVITHVQSAPGQMFSTPAI--PPMVPHPAYPMPFITITILGGLYPSKSILLSG 245  
DB 166 YPGP-----GHCHQ-----QNSLPTMEGPTFNP----PVYFGRLOGGLTARTIIIGK 212  
QY 246 TVLPSAQRHIN--LCSGNHIAFHLNPRFEDENAVVRNTQIDNSWGSEERSLPRKMPFVRG 303  
DB 213 YVPTGKSFAINFKVSGSGDIALHINPRMGNTVVRNLSLNGSWGSEEEKKITHN-PFGPG 271  
QY 304 QSFVSWILCEAHCLKVAVDGOHLFEYVHRLNRLPTINRLEVGGDIQLTHVQ 354  
DB 272 QFFDLIRCGLDLRFKVVANGQHLFDFAHRLSAFORVDTLEIQGDVTLSYVQ 322

RESULT 15  
US-09-833-263-1064  
; Sequence 1064, Application US/09833263  
; Patent No. US20020110547A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, Aijun  
; APPLICANT: Clapper, Jonathan D.  
; APPLICANT: Stolk, John A.  
; APPLICANT: Meagher, Madeleine J.  
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND  
; FILE REFERENCE: 210121.471C12  
; CURRENT APPLICATION NUMBER: US/09/833, 263  
; CURRENT FILING DATE: 2001-04-10  
; NUMBER OF SEQ ID NOS: 1093  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 1064  
; LENGTH: 323  
; TYPE: PRI.  
; ORGANISM: Homo sapiens  
US-09-833-263-1064

Query Match 29.9%; Score 574; DB 10; Length 323;  
Best Local Similarity 38.2%; Pred. No. 2.8e-42;  
Matches 134; Conservative 52; Mismatches 121; Indels 44; Gaps 10;  
QY 9 PYLSPAVPESSTIGGLQDGLQITVNGTIVLSSSGTFAVNFQTFGS-GNDIAFHFNPRFE 67  
DB 11 PTYNPTLPYYQPIPGGLNVGMSVYIQG-VASEHMKRFFVNFVVGQDPGSDVAFHFNPRFD 69  
QY 68 DGGYVVCNTRQNGSWGPEERKTHMPFGKMPFDLCFLVQSSDFKVMVNGILFVQYFHRVP 127  
DB 70 GWDKVVNTLQGGKNGSEERKSRMPFKKGAFAFELFVLAEHYKVVVNGNPFVEYGHRLP 129  
QY 128 FHRVDTISVNGSVQLSVISFONPRTVPVQPAFSTVPFSQPCPPRPRGRQRKPPGVWPA 187  
DB 130 LQWVTHLQVQDGLQLOQINFQGG-----PLRPQG-----PPMMP 165  
QY 188 NPAPITQTVITHVQSAPGQMFSTPAI--PPMVPHPAYPMPFITITILGGLYPSKSILLSG 245  
DB 166 YPGP-----GHCHQ-----QNSLPTMEGPTFNP----PVYFGRLOGGLTARTIIIGK 212  
QY 246 TVLPSAQRHIN--LCSGNHIAFHLNPRFEDENAVVRNTQIDNSWGSEERSLPRKMPFVRG 303

DB 213 YVPTGKSFAINFKVSGSGDIALHINPRMGNTVVRNLSLNGSWGSEEEKKITHN-PFGPG 271  
QY 304 QSFVSWILCEAHCLKVAVDGOHLFEYVHRLNRLPTINRLEVGGDIQLTHVQ 354  
DB 272 QFFDLIRCGLDLRFKVVANGQHLFDFAHRLSAFORVDTLEIQGDVTLSYVQ 322  
Search completed: November 24, 2002, 02:31:01  
Job time : 16.5943 secs



GenCore version 5.1.3  
Copyright (c) 1993 - 2002 Compugen Ltd.

OM protein - protein search, using sw model

Run on: November 24, 2002, 02:18:09 ; Search time 22.9328 Seconds  
(without alignments)  
455.467 Million cell updates/sec

Title: US-09-485-951-2  
Perfect score: 1917  
Sequence: 1 MAFSGSQAPYLPVAFPSGT.....LPTINRLEVGGDIQLTHVQT 355

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:\*  
1: /cgn2\_6/ptodata/2/1aa/5A\_COMB.pep.\*  
2: /cgn2\_6/ptodata/2/1aa/5B\_COMB.pep.\*  
3: /cgn2\_6/ptodata/2/1aa/6A\_COMB.pep.\*  
4: /cgn2\_6/ptodata/2/1aa/6B\_COMB.pep.\*  
5: /cgn2\_6/ptodata/2/1aa/PCTUS\_COMB.pep.\*  
6: /cgn2\_6/ptodata/2/1aa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
1	1633	85.2	311	3	US-08-946-914-4
2	1633	85.2	311	4	US-09-656-450-4
3	783	40.8	149	2	US-08-788-584-3
4	661	34.5	145	2	US-08-788-584-1
5	603.5	31.5	324	3	US-08-946-914-11
6	603.5	31.5	324	4	US-09-656-450-11
7	574	29.9	323	1	US-08-469-667-16
8	574	29.9	323	3	US-08-946-914-2
9	574	29.9	323	4	US-09-224-110-16
10	574	29.9	323	4	US-09-656-450-2
11	574	29.9	323	5	PCT-US95-07289-16
12	535	27.9	145	2	US-08-788-584-5
13	535	27.9	145	3	US-08-946-914-12
14	535	27.9	145	4	US-09-656-450-12
15	472.5	24.6	316	4	US-09-131-648-5
16	471.5	24.6	317	3	US-08-946-914-6
17	471.5	24.6	317	4	US-09-656-450-6
18	454.5	23.7	316	2	US-08-728-521-3
19	454.5	23.7	316	2	US-08-647-960-2
20	454.5	23.7	316	3	US-08-946-914-15
21	454.5	23.7	316	3	US-08-946-914-17
22	454.5	23.7	316	4	US-09-212-146-3
23	454.5	23.7	316	4	US-09-656-450-15
24	454.5	23.7	316	4	US-09-656-450-17
25	353.5	18.4	264	2	US-08-728-521-1
26	353.5	18.4	264	4	US-09-212-146-1
27	328.5	17.1	264	1	US-08-562-311-4

28	321.5	16.8	336	4	US-09-131-648-1	Sequence 1, Appl
29	321	16.7	262	3	US-08-946-914-14	Sequence 14, Appl
30	321	16.7	262	4	US-09-656-450-14	Sequence 14, Appl
31	318.5	16.6	250	3	US-08-946-914-10	Sequence 10, Appl
32	318.5	16.6	250	4	US-09-656-450-10	Sequence 10, Appl
33	317.5	16.6	250	1	US-08-562-311-2	Sequence 2, Appl
34	255	13.3	200	3	US-08-946-914-8	Sequence 8, Appl
35	255	13.3	200	4	US-09-656-450-8	Sequence 8, Appl
36	254.5	13.3	177	2	US-08-647-960-6	Sequence 6, Appl
37	250	13.0	147	2	US-08-647-960-7	Sequence 7, Appl
38	230.5	12.0	136	3	US-08-946-914-13	Sequence 13, Appl
39	230.5	12.0	136	4	US-09-154-750A-79	Sequence 79, Appl
40	230.5	12.0	136	4	US-09-656-450-13	Sequence 13, Appl
41	226.5	11.8	135	2	US-08-647-960-5	Sequence 5, Appl
42	198.5	10.4	132	2	US-08-647-960-11	Sequence 11, Appl
43	189	9.9	131	2	US-08-647-960-9	Sequence 9, Appl
44	184	9.6	146	2	US-08-647-960-8	Sequence 8, Appl
45	179	9.3	184	2	US-08-647-960-10	Sequence 10, Appl

## ALIGNMENTS

RESULT 1  
US-08-946-914-4  
; Sequence 4, Application US/08946914  
; Patent No. 6027916  
; GENERAL INFORMATION:  
; APPLICANT: Ni, Jian  
; APPLICANT: Gentz, Reiner L.  
; APPLICANT: Ruben, Steven M.  
; TITLE OF INVENTION: Galectin 8, 9, 10 and 10Sv  
; NUMBER OF SEQUENCES: 60  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Sterne, Kessler, Goldstein, & Fox P.L.L.C.  
; STREET: 1100 New York Ave., Suite 600  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: USA  
; ZIP: 20005-3934  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/946,914  
; FILING DATE: Herewith  
; CLASSIFICATION: 530  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 60/028,093  
; FILING DATE: 09-OCT-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Steffe, Eric K.  
; REGISTRATION NUMBER: 36,688  
; REFERENCE/DOCKET NUMBER: 1488.0560001/EKS/SGW  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-371-2600  
; TELEFAX: 202-371-2540  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 311 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-946-914-4

Query Match 85.2% Score 1633; DB 3; Length 311;  
Best Local Similarity 87.6%; Pred. No. 8.9e-164;  
Matches 31; Conservative 0; Mismatches 0; Indels 44; Gaps 1;

Qy 1 MAFSGSQAPYLPVAFPSGTIQGGIQLDGLQITVNGTVLSSSGTRFAVNFOTGFSGNDIAF 60  
|||||

Db 1 MAFSGSOAPYLSPAVPFSGTIOGQLDGLQITVNGTVLSSSGTRFAVNFOTGSGNDIAF 60  
QY 61 HFNPRFEDGGYVVCNTRQNSWGPPEERKTHMPQKGMPEPDLCLVQSSDFKVMVNGILFV 120  
Db 61 HFNPRFEDGGYVVCNTRQNSWGPPEERKTHMPQKGMPEPDLCLVQSSDFKVMVNGILFV 120  
QY 121 QYFHRVPFHRVDITISVNGSVQLSYISFQNPRTVPVQPAFSTVPFQVCPFPPRGRQK 180  
Db 121 QYFHRVPFHRVDITISVNGSVQLSYISFQ----- 148  
QY 181 PPGVWPANPAPITQTVIHTVQSAPGOMFSTPAIPPMYHPAYPMPFITITILGGLYPSKS 240  
Db 149 -----TQTVIHTVQSAPGOMFSTPAIPPMYHPAYPMPFITITILGGLYPSKS 196  
QY 241 ILLSGTVLPSAQRFHNLCSGNHIAFHLNPRFDENAVVRNTQIDNSWGSEERSLPRKMPF 300  
Db 197 ILLSGTVLPSAQRFHNLCSGNHIAFHLNPRFDENAVVRNTQIDNSWGSEERSLPRKMPF 256  
QY 301 VRQGSFVWILCEAHCLKVAVDQGHLEFYHRLNRLPTINRLEVGGDIQLTHVQT 355  
Db 257 VRQGSFVWILCEAHCLKVAVDQGHLEFYHRLNRLPTINRLEVGGDIQLTHVQT 311  
RESULT 2  
US-09-656-450-4  
; Sequence 4; Application US/09656450  
; Patent No. 6468768  
; GENERAL INFORMATION:  
; APPLICANT: NI, Jian  
; APPLICANT: Gentz, Reiner L.  
; APPLICANT: Ruben, Steven M.  
; TITLE OF INVENTION: Galectin 9 and 10SV Polynucleotides  
; FILE REFERENCE: 1488 0560003  
; CURRENT APPLICATION NUMBER: US/09/656,450  
; CURRENT FILING DATE: 2000-09-06  
; PRIOR APPLICATION NUMBER: US 09/263,689  
; PRIOR FILING DATE: 1999-03-05  
; PRIOR APPLICATION NUMBER: US 08/946,914  
; PRIOR FILING DATE: 1997-10-09  
; PRIOR APPLICATION NUMBER: US 60/028,093  
; PRIOR FILING DATE: 1996-10-09  
; NUMBER OF SEQ ID NOS: 60  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 4  
; LENGTH: 311  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-656-450-4

Query Match 85.2%; Score 1633; DB 4; Length 311;  
Best Local Similarity 87.6%; Pred. No. 8.9e-164;  
Matches 311; Conservative 0; Mismatches 0; Indels 44; Gaps 1;

QY 1 MAFSGSOAPYLSPAVPFSGTIOGQLDGLQITVNGTVLSSSGTRFAVNFOTGSGNDIAF 60  
Db 1 MAFSGSOAPYLSPAVPFSGTIOGQLDGLQITVNGTVLSSSGTRFAVNFOTGSGNDIAF 60  
QY 61 HFNPRFEDGGYVVCNTRQNSWGPPEERKTHMPQKGMPEPDLCLVQSSDFKVMVNGILFV 120  
Db 61 HFNPRFEDGGYVVCNTRQNSWGPPEERKTHMPQKGMPEPDLCLVQSSDFKVMVNGILFV 120  
QY 121 QYFHRVPFHRVDITISVNGSVQLSYISFQNPRTVPVQPAFSTVPFQVCPFPPRGRQK 180  
Db 121 QYFHRVPFHRVDITISVNGSVQLSYISFQ----- 148  
QY 181 PPGVWPANPAPITQTVIHTVQSAPGOMFSTPAIPPMYHPAYPMPFITITILGGLYPSKS 240  
Db 149 -----TQTVIHTVQSAPGOMFSTPAIPPMYHPAYPMPFITITILGGLYPSKS 196  
QY 241 ILLSGTVLPSAQRFHNLCSGNHIAFHLNPRFDENAVVRNTQIDNSWGSEERSLPRKMPF 300  
Db 197 ILLSGTVLPSAQRFHNLCSGNHIAFHLNPRFDENAVVRNTQIDNSWGSEERSLPRKMPF 256

QY 301 VRQGSFVWILCEAHCLKVAVDQGHLEFYHRLNRLPTINRLEVGGDIQLTHVQT 355  
Db 257 VRQGSFVWILCEAHCLKVAVDQGHLEFYHRLNRLPTINRLEVGGDIQLTHVQT 311  
RESULT 3  
US-08-788-584-3  
; Sequence 3; Application US/08788584  
; Patent No. 5837493  
; GENERAL INFORMATION:  
; APPLICANT: Hillman, Jennifer L.  
; APPLICANT: Goli, Surya K.  
; APPLICANT: Bandman, Olga  
; APPLICANT: Hawkins, Phillip R.  
; APPLICANT: Petithory, Joanne R.  
; TITLE OF INVENTION: NOVEL HUMAN GALECTINS  
; NUMBER OF SEQUENCES: 5  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSEQ for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/788,584  
; FILING DATE: Filed Herewith  
; CLASSIFICATION: 436  
; PRIOR APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Billings, Lucy J.  
; REGISTRATION NUMBER: 36,749  
; REFERENCE/DOCKET NUMBER: PF-0192 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-855-0555  
; TELEFAX: 415-845-4166  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 149 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
US-08-788-584-3

Query Match 40.8%; Score 783; DB 2; Length 149;  
Best Local Similarity 97.3%; Pred. No. 9.6e-75;  
Matches 145; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 207 MESTPAIPPMYHPAYPMPFITITILGGLYPSKSILLSGTVLPSAQRFHNLCSGNHIAF 266  
Db 1 MESTXIPPMYHPGYPMPFITITILGGLYPSKSILLSGTVLPSAQRFHNLCSGNHIAF 60  
QY 267 HLNPRFDENAVVRNTQIDNSWGSEERSLPRKMPFVRGQSFVWILCEAHCLKVAVDQHL 326  
Db 61 HLNPRFDENAVVRNTQIDNFWGSEERSLPRKMPFVRGQSFVWILCEAHCLKVAVDQHL 120  
QY 327 FEYHRLNRLPTINRLEVGGDIQLTHVQT 355  
Db 121 FEYHRLNRLPTINRLEVGGDIQLTHVQT 149

RESULT 4  
US-08-788-584-1  
; Sequence 1; Application US/08788584  
; Patent No. 5837493  
; GENERAL INFORMATION:



```

; PRIOR APPLICATION NUMBER: US 08/946,914
; PRIOR FILING DATE: 1997-10-09
; PRIOR APPLICATION NUMBER: US 60/028,093
; PRIOR FILING DATE: 1996-10-09
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 11
; LENGTH: 324
; TYPE: PRT
; ORGANISM: Rat
; US-09-656-450-1

```

Query Match	31.5%	Score	603.5;	DB	4;	Length	324;
Best Local Similarity	39.6%;	Pred.	No. 2.5e-35;				
Matches	139;	Conservative	54;	Mismatches	115;	Indels	43;
Gaps	10;						

  

QY	9	PYLSPAVPEFGSTGGGLQDGLQITVNGTIVLSSSTGTFEAVFQTC-FSGNDIAFHNPRE	67
DB	11	PTYNPTLPYKRPDGGLSVGMSTYIQG-IAKDNMRREHVFNAVGDDGADIAFHNPRE	69
QY	68	DGCVVCTNRQNSGWSGPEERKTHMPKQGFDFCLCFVQSSDFKVMVNGILFVQYHRVP	127
DB	70	GDWKVVNTMSGQWGKEKKKSMFPQKGHHFELVVMSEHYKVVYNGTFEYEGHRLP	129
QY	128	FHRVDTTSVNGSVOLSYISFQNPRTVPVQPAFTVPSPQVFPFPRGRQRKQPPGVNPA	187
DB	130	LOWTHLQVDDGLLEQSLNF-----LGGQAAASQYPGTMTI-----PA	167
QY	188	NPAPITQVTHTVQSAPQGMSTPAI--PPMYPHPAYPMPPFTITILGLYPSKILLSG	245
DB	168	YP-----SAGYNPQNSLPMVAGPPIFN-----PVPVGTGLOGGTARETIIKG	214
QY	246	TVLPSAQRHINLCSGN--HIAFHLNPRFDENAVVRNTQDINSWGSESLRPMKMPVRG	303
DB	215	YVLPTAKNLIINFKVGSTGDIAFHNNPRIGD-CVVRNSYMGNSWGSEERKIPYN-PFGAG	272
QY	304	QSFQSWILCEAHLKLVAVDQGHLEFYEYHRLNLTINRLEVGGDIQLTHVQ	354
DB	273	QFFDLSIRCGTDRFPKPVANGQHLDFESHRRQAFQFQVDMLEIKGDITISYVQ	323

```

1  RESULT 7
2  US-08-469-667-16
3  ; Sequence 16, Application US/08469667
4  ; Patent No. 5733748
5  ; GENERAL INFORMATION:
6  ; APPLICANT: Yu, Guo-Liang
7  ; APPLICANT: Rosen, Craig
8  ; TITLE OF INVENTION: Colon Specific Genes and Proteins
9  ; NUMBER OF SEQUENCES: 24
10 ; CORRESPONDENCE ADDRESS:
11 ; ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,
12 ; ADDRESSEE: Stewart & Olstein
13 ; STREET: 6 Becker Farm Road
14 ; CITY: Roseland
15 ; STATE: NJ
16 ; COUNTRY: USA
17 ; ZIP: 07068-1739
18 ; COMPUTER READABLE FORM:
19 ; MEDIUM TYPE: Floppy disk
20 ; COMPUTER: IBM PC compatible
21 ; OPERATING SYSTEM: PC-DOS/MS-DOS
22 ; SOFTWARE: PatentIn Release
23 ; CURRENT APPLICATION DATA:
24 ; APPLICATION NUMBER: US/08/469,667
25 ; FILING DATE: 06-JUN-1995
26 ; CLASSIFICATION: 536
27 ; ATTORNEY/AGENT INFORMATION:
28 ; NAME: Ferrari, Gregory D.
29 ; REGISTRATION NUMBER: 36,134
30 ; REFERENCE/DOCKET NUMBER: 325800-435
31 ; TELECOMMUNICATION INFORMATION:
32 ; TELEPHONE: 201-994-1700

```

```

; TELEFAX: 201-994-1744
;
; INFORMATION FOR SEQ ID NO: 16:
;
; SEQUENCE CHARACTERISTICS:
;
; LENGTH: 323 amino acids
;
; TYPE: amino acid
;
; TOPOLOGY: linear
;
; MOLECULE TYPE: protein
;
; US-08-469-667-16

```

Query Match	29.9%; Score 574; DB 1; Length 323;
Best Local Similarity	38.2%; Pred. No. 3.2e-52;
Matches 134; Conservative	52; Mismatches 121; Indels 44; Gaps 10;

  

QY	9	PYLSPAVPSGTTGGGLQDGLQITVNGCTVLISSSGTSEAFVNFQTGFS-GNDIAHFHNPREE	67
DB	11	PTNPTLPYYQPTGGUNVGWSVIQG-VASEHMKRFFVNFVVGQDPSDAVFHNPREF	69
QY	68	DGGYVVCNTRQNGSWGSPSEERKTHMPKOGMPFDLCFLVQSSDKFVMNGILFVQYHRVP	127
DB	70	GWKVVVFNTLGGKKGWSEERKSRMPKGAFAELFVFLAEHYKVVVNGNPFVEYGHRLP	129
QY	128	FHRVDTISVNGSVOLSVISFQNFRTVPVQPAFTVPSPQVPCPPPRGRQRKQDPGVWPA	187
DB	130	LOWMTHLQVDGDLQLQSLNFIGGQ-----PLRPQG-----PPMMPP	165
QY	188	NPAPITQTVLHTVQSAFGWFSPAL-PPMYPHPAYBMPFITTLGLGLYPSKSILLSG	245
DB	166	YPGP-----GHCHQ-----QLNSLPTMEGPTFNP-----PVYFGRLOGGLTARTKIIGK	212
QY	246	TVLPSAQRFHIN-LCSGNHIAFHLNRFEDENAVVRNTQDNSNGWSBERSLPRKMPFVRG	303
DB	213	YVPPTGKSFAINFKVGSSGDIALHINPRMNGTVVRNSLLNGSWGSEKKITHN-PFGPG	271
QY	304	QSF5WVILCEAHLCKVAVDGOHLFEYYHYRLNRNLPTINRLEVGGDQLIHTHO	354
DB	272	QFEDLSIRCGLDREKVVYANGOHLEFDFAHLSAFORVDTLETGQDVTLSUYVO	322

```

1  RESULT 8
2  US-08-946-914-2
3  ; Sequence 2, Application US/08946914
4  ; Patent No. 6027916
5  GENERAL INFORMATION:
6  APPLICANT: Ni, Jian
7  APPLICANT: Gentz, Reiner L.
8  APPLICANT: Ruben, Steven M.
9  TITLE OF INVENTION: Galectin 8, 9, 10 and 10SV
10 NUMBER OF SEQUENCES: 60
11 CORRESPONDENCE ADDRESS:
12 ADDRESSEE: Sterne, Kessler, Goldstein, & Fox P.L.L.C.
13 STREET: 1100 New York Ave., Suite 600
14 CITY: Washington
15 STATE: D.C.
16 COUNTRY: USA
17 ZIP: 20005-3934
18 COMPUTER READABLE FORM:
19 MEDIUM TYPE: Floppy disk
20 OPERATING SYSTEM: PC-DOS/MS-DOS
21 SOFTWARE: PatentIn Release #1.0, Version #1.30
22 CURRENT APPLICATION DATA:
23 APPLICATION NUMBER: US/08/946,914
24 FILING DATE: Herewith
25 CLASSIFICATION: 530
26 PRIOR APPLICATION DATA:
27 APPLICATION NUMBER: US 60/028,093
28 FILING DATE: 09-OCT-1996
29 ATTORNEY/AGENT INFORMATION:
30 NAME: Steffe, Eric K.
31 REGISTRATION NUMBER: 36,688
32 REFERENCE/DOCKET NUMBER: 1488.0560001/EKS/SGW
33 TELECOMMUNICATION INFORMATION:
34 TELEPHONE: 202-371-2600

```

```
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 323 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-946-914-2

Query Match          29.9%; Score 574; DB 3; Length 323;
Best Local Similarity 38.2%; Pred. No. 3.2e-52;
Matches 134; Conservative 52; Mismatches 121; Indels 44; Gaps 10;

QY 9 PYLSPAVPFGSTIOGGLQDGLQITVNGTVLSSSGTRFVNFQTFGS-GNDIAFHFNPRFE 67
Db 11 PTYNPTLPYQPIPGGLNVGMSVYIQG-VASEHMKRFVNFVVGQDPSDAFHNPRFD 69
QY 68 DGGYVVCNTRQNSWGSPPEERKTHMPFOKGMFDFLCFLVQSSDFKVMVNGILFVQYFHRVP 127
Db 70 GWDKVVNTLQGGKWSGEERKSRMPFKGAFAFLFVLAEHYKVVVNGNPFYEGHRLP 129
QY 128 FHRVDTISVNGSVOLSYISFQNPRTVPVQPAFSTVPFSQPVCFPPRRRQKPPGVMPA 187
Db 130 LQMVTHLQVGDGLQLOQSLNFIQGG-----PLRPGQ-----PPMPP 165
QY 188 NPAPITQTVHTVQSAPQGMFSTPAI--PPMYPHPAYPMPFITITLGLLYPSKSILLSG 245
Db 166 YPGP-----GHCHQ-----QLNSLPTMEGPTFNP-----PVPYFGRLOGGLTARTTIIGK 212
QY 246 TVLPSAQRHIN--LCSGNHIAFHLPNRFDENAVVRNTQDNSWGSERSLPRKMPVVRG 303
Db 213 YVPTGKSFALNFVKGSGDIALHINPRMGNTVVRNSLLNGSWGSEKKITHN-PFPGP 271
QY 304 QSF5WVILCEAHCLKVADGQHLFEYHYHRLNLPNTINRLEVGSDIQLTHVQ 354
Db 272 QFFDLSIRCGLDKFKVYANGQHLDFAHRLSAFORVDTLEIQGDTLSYVQ 322

RESULT 9
US-09-224-110-16
; Sequence 16, Application US/09224110
; Patent No. 6337195
; GENERAL INFORMATION:
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Rosen, Craig
; TITLE OF INVENTION: Colon Specific Genes and Proteins
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,
; ADDRESSEE: Stewart & Olstein
; STREET: 6 Becker Farm Road
; CITY: Roseland
; STATE: NJ
; COUNTRY: USA
; ZIP: 07068-1739
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/224,110
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/469,667
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Ferraro, Gregory D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-435
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700

; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 323 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-224-110-16

Query Match          29.9%; Score 574; DB 4; Length 323;
Best Local Similarity 38.2%; Pred. No. 3.2e-52;
Matches 134; Conservative 52; Mismatches 121; Indels 44; Gaps 10;

QY 9 PYLSPAVPFGSTIOGGLQDGLQITVNGTVLSSSGTRFVNFQTFGS-GNDIAFHFNPRFE 67
Db 11 PTYNPTLPYQPIPGGLNVGMSVYIQG-VASEHMKRFVNFVVGQDPSDAFHNPRFD 69
QY 68 DGGYVVCNTRQNSWGSPPEERKTHMPFOKGMFDFLCFLVQSSDFKVMVNGILFVQYFHRVP 127
Db 70 GWDKVVNTLQGGKWSGEERKSRMPFKGAFAFLFVLAEHYKVVVNGNPFYEGHRLP 129
QY 128 FHRVDTISVNGSVOLSYISFQNPRTVPVQPAFSTVPFSQPVCFPPRRRQKPPGVMPA 187
Db 130 LQMVTHLQVGDGLQLOQSLNFIQGG-----PLRPGQ-----PPMPP 165
QY 188 NPAPITQTVHTVQSAPQGMFSTPAI--PPMYPHPAYPMPFITITLGLLYPSKSILLSG 245
Db 166 YPGP-----GHCHQ-----QLNSLPTMEGPTFNP-----PVPYFGRLOGGLTARTTIIGK 212
QY 246 TVLPSAQRHIN--LCSGNHIAFHLPNRFDENAVVRNTQDNSWGSERSLPRKMPVVRG 303
Db 213 YVPTGKSFALNFVKGSGDIALHINPRMGNTVVRNSLLNGSWGSEKKITHN-PFPGP 271
QY 304 QSF5WVILCEAHCLKVADGQHLFEYHYHRLNLPNTINRLEVGSDIQLTHVQ 354
Db 272 QFFDLSIRCGLDKFKVYANGQHLDFAHRLSAFORVDTLEIQGDTLSYVQ 322

RESULT 10
US-09-656-450-2
; Sequence 2, Application US/09656450
; Patent No. 6468768
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Ruben, Steven M.
; TITLE OF INVENTION: Galectin 9 and 10SV Polynucleotides
; FILE REFERENCE: 1488.0560003
; CURRENT APPLICATION NUMBER: US/09/656,450
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: US 09/263,689
; PRIOR FILING DATE: 1999-03-05
; PRIOR APPLICATION NUMBER: US 08/946,914
; PRIOR FILING DATE: 1997-10-09
; PRIOR APPLICATION NUMBER: US 60/028,093
; PRIOR FILING DATE: 1996-10-09
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 323
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-656-450-2

Query Match          29.9%; Score 574; DB 4; Length 323;
Best Local Similarity 38.2%; Pred. No. 3.2e-52;
Matches 134; Conservative 52; Mismatches 121; Indels 44; Gaps 10;

QY 9 PYLSPAVPFGSTIOGGLQDGLQITVNGTVLSSSGTRFVNFQTFGS-GNDIAFHFNPRFE 67
Db 11 PTYNPTLPYQPIPGGLNVGMSVYIQG-VASEHMKRFVNFVVGQDPSDAFHNPRFD 69
QY 68 DGGYVVCNTRQNSWGSPPEERKTHMPFOKGMFDFLCFLVQSSDFKVMVNGILFVQYFHRVP 127
```

Db 70 GWDKVVNTLQGGKWSSEKRSMPKKAAGAFELVFLAETHYKVVVNGNPFVEYGHRLP 129  
QY 128 FHRVDTRISVNGSVQLSYISFQNPRTVPVQPAFTVPSQVPCFPFRGRQKPPGWPA 187  
Db 130 LQMVTHLVQDGDQLQSLNFIQGG-----PLRPOG-----PPMPP 165  
QY 188 NPAPITQTVIHTVQSAPGQMFSTPAI--PPMYPHPAYPMPFITTILGGLYPSKILLSG 245  
Db 166 YPGP-----GHCHQ-----QLNSLPTMEGPTFNP-----PVYFGRLOGGLTARRTIIIG 212  
QY 246 TVLPSAQRFHIN--LCSGNHIAFLNPRDENAVVNTQIDNSWGSEERSLPRKMPFVRG 303  
Db 213 YVPPTGKSFAINFKVSGSGDIALHINPRMGNGTVVNSLLNGSWGSEEEKITHN--PFGPG 271  
QY 246 TVLPSAQRFHIN--LCSGNHIAFLNPRDENAVVNTQIDNSWGSEERSLPRKMPFVRG 303  
Db 213 YVPPTGKSFAINFKVSGSGDIALHINPRMGNGTVVNSLLNGSWGSEEEKITHN--PFGPG 271  
QY 246 TVLPSAQRFHIN--LCSGNHIAFLNPRDENAVVNTQIDNSWGSEERSLPRKMPFVRG 303  
Db 213 YVPPTGKSFAINFKVSGSGDIALHINPRMGNGTVVNSLLNGSWGSEEEKITHN--PFGPG 271  
QY 304 QSFVSWILCEAHLCKVAVDQHLFEYHRLNRLPTINRLEVGGDIQIOLTHVQ 354  
Db 272 QFFDLISRCGLDRFKVYANGQHLDFEFAHRLSAFQRVDTLLEIQGDVLSYVQ 322

RESULT 11  
PCT-US95-07289-16  
; Sequence 16, Application PC/TUS9507289  
; GENERAL INFORMATION:  
; APPLICANT: Yu, Guo-Liang  
; APPLICANT: Rosen, Craig  
; TITLE OF INVENTION: Colon Specific Genes and Proteins  
; NUMBER OF SEQUENCES: 24  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,  
; ADDRESSEE: Stewart & Olstein  
; STREET: 6 Becker Farm Road  
; CITY: Roseland  
; STATE: NJ  
; COUNTRY: USA  
; ZIP: 07068-1739  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US95/07289  
; FILING DATE: 06-JUN-1995  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Ferraro, Gregory D.  
; REGISTRATION NUMBER: 36,134  
; REFERENCE/DOCKET NUMBER: 325800-265  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 201-994-1700  
; TELEFAX: 201-994-1744  
; INFORMATION FOR SEQ ID NO: 16:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 323 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
PCT-US95-07289-16

Query Match 29.9%; Score 574; DB 5; Length 323;  
Best Local Similarity 38.2%; Pred. No. 3.2e-52;  
Matches 134; Conservative 52; Mismatches 121; Indels 44; Gaps 10;

QY 9 PYLSPAVPSGTTQGGQLQGLQITVNGTVLSSGTRFAVNFQTFGS-GNDIAFHFNPRE 67  
Db 11 PTYNPTLPYQPIPGGLNMGSMYIQQ-VASEHMKRFFVFNVGQDPGSDVAFHFNPRE 69  
QY 68 DGGYVVCNTRQNSWGPPEERKTHMPQKGMPELCLFLVQSSDFKVMVNGLLFVQYFHRVP 127  
Db 70 GWDKVVNTLQGGKWSSEKRSMPKKAAGAFELVFLAETHYKVVVNGNPFVEYGHRLP 129  
QY 128 FHRVDTRISVNGSVQLSYISFQNPRTVPVQPAFTVPSQVPCFPFRGRQKPPGWPA 187

Db 130 LQMVTHLVQDGDQLQSLNFIQGG-----PLRPOG-----PPMPP 165  
QY 188 NPAPITQTVIHTVQSAPGQMFSTPAI--PPMYPHPAYPMPFITTILGGLYPSKILLSG 245  
Db 166 YPGP-----GHCHQ-----QLNSLPTMEGPTFNP-----PVYFGRLOGGLTARRTIIIG 212  
QY 246 TVLPSAQRFHIN--LCSGNHIAFLNPRDENAVVNTQIDNSWGSEERSLPRKMPFVRG 303  
Db 213 YVPPTGKSFAINFKVSGSGDIALHINPRMGNGTVVNSLLNGSWGSEEEKITHN--PFGPG 271  
QY 304 QSFVSWILCEAHLCKVAVDQHLFEYHRLNRLPTINRLEVGGDIQIOLTHVQ 354  
Db 272 QFFDLISRCGLDRFKVYANGQHLDFEFAHRLSAFQRVDTLLEIQGDVLSYVQ 322

RESULT 12  
US-08-788-584-5  
; Sequence 5, Application US/08788584  
; Patent No. 5837493  
; GENERAL INFORMATION:  
; APPLICANT: Hillman, Jennifer L.  
; APPLICANT: Goli, Surya K.  
; APPLICANT: Bandman, Olga  
; APPLICANT: Hawkins, Phillip R.  
; APPLICANT: Petithory, Joanne R.  
; TITLE OF INVENTION: NOVEL HUMAN GALECTINS  
; NUMBER OF SEQUENCES: 5  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/788,584  
; FILING DATE: Filed Herewith  
; CLASSIFICATION: 436  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Billings, Lucy J.  
; REGISTRATION NUMBER: 36,749  
; REFERENCE/DOCKET NUMBER: PF-0192 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-855-0555  
; TELEFAX: 415-845-4166  
; INFORMATION FOR SEQ ID NO: 5:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 145 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: GenBank  
; CLONE: 727176  
US-08-788-584-5

Query Match 27.9%; Score 535; DB 2; Length 145;  
Best Local Similarity 70.3%; Pred. No. 1.2e-48;  
Matches 104; Conservative 9; Mismatches 29; Indels 6; Gaps 1;  
QY 208 FSTPAIPPMYPHPAYPMPFITTILGGLYPSKILLSGTVLPSAQRFHINLCSGNHIAFH 267  
Db 4 FSTPQ-----PYPNLAVPFTSIPNGLYPSKISIVISGVVLSDAKRFQINLRCGGDIAPH 57



```

: Sequence 12, Application US/09656450
: Patent No. 6468768
: GENERAL INFORMATION:
: APPLICANT: Ni, Jian
: APPLICANT: Gentz, Reiner L.
: APPLICANT: Ruben, Steven M.
: TITLE OF INVENTION: Galactin 9 and 10sv polynucleotides

```

```

; CURRENT APPLICATION NUMBER: US 09/0263,689
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: US 09/263,689
; PRIOR FILING DATE: 1999-03-05
; PRIOR APPLICATION NUMBER: US 08/946,914
; PRIOR FILING DATE: 1997-10-09
; PRIOR APPLICATION NUMBER: US 60/028,093
; PRIOR FILING DATE: 1996-10-09
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 12
; LENGTH: 145
; TYPE: PRP
; ORGANISM: Rat
US-09-656-450-12

```

best Local Similarity 70.3%; Pred. NO. 1.2e-48;  
Matches 104; Conservative 9; Mismatches 29; Indels 6; Gaps

Qy	208	FSTPAIPMMYPHPAYMPPTITTLGLYPSKSIILSGTVLPSAQRFHINLCGNHAFH	267
		: : :     :           :     :         :	
Db	4	FSTQT-----PYPNLAVPFETSPNGLYPSKSIIVTGVVLSDAKRQINLRCCGDIAPH	57

Qy	268 LNPFDENAVVRNTQTIDNSWGSEERSI.PRKMPFVRRGQSFWILCEAHCLKVAVDQHLF           :                     :
Db	58 LNPFDENAVVRNQITNNSWGP EERSLP GSPFRSGQRFSWIICEGHCFKPVAVDGOHIC           :                     :

QY 328 EYYHRLRLPTINRLEVGGDIQLTHVQT 355  
 118 EYSHRLMNLPTINRLEVAGDIQLTHVET 145  
 Db

RESULT 15  
US-09-131-648-5  
; Sequence 5, Application US/09131648  
; Patent No. 6168920

; Patent No. 6168920  
 ;  
 ; GENERAL INFORMATION:  
 ;  
 ; APPLICANT: Hillman, Jennifer L.  
 ;  
 ; APPLICANT: VIVE HEART

```

; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Patterson, Chandra
; TITLE OF INVENTION: EXTRACELLULAR ADHESIVE PROTEINS
; FILE REFERENCE: PF-0576 US
; CURRENT APPLICATION NUMBER: US/09/131,648
; CURRENT FILING DATE: 1998-08-10
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PERL Program

```

Query Match	27.9%	Score 535;	DB 3;	Length 145;
Best Local Similarity	70.3%	Pred. NO.	1.2e-48;	
Matches 104;	Conservative	9;	Mismatches 29;	
			Indels	6;
			Gaps	1;

```
; SEQ ID NO 5
; LENGTH: 316
; TYPE: prt
; ORGANISM: Homo sapiens
```

US-09-131-648-5  
OTHER INFORMATION: g1932712

Query Match	24.6%	Score	4/2.5:	DB 4;	Length	316;
Best Local Similarity	33.0%	Pred. No.	1.5e-41;			
Matches	115;	Conservative	55;	Mismatches	128;	Indels
						Gaps
						8;

Db 13 NPVIFVGTIPDQLDPGTLIVIRGHV-PSDADRFOVDLQNGSSVKPRADVAHFHNPREKR 71

